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Los Angeles, Cal., July 1, 1897

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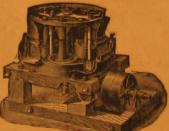
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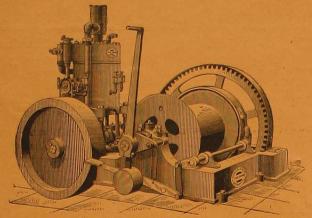
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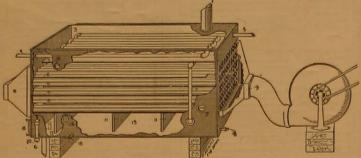
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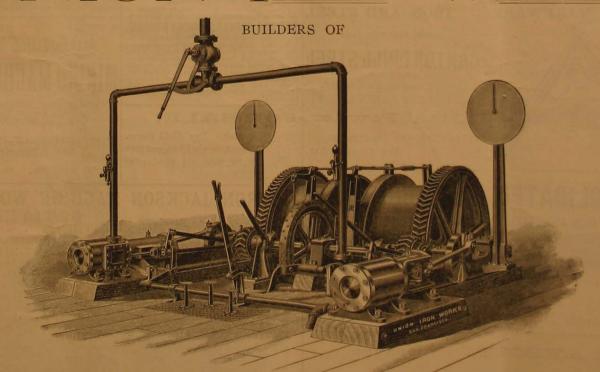
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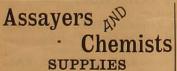
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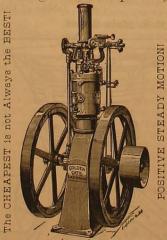
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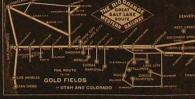
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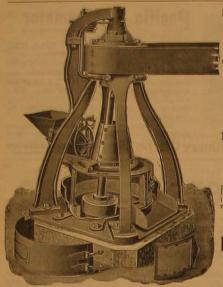
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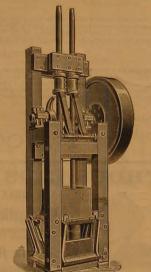
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VOL. XVII.

JULY 1

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THE SILVER PROBLEM.

In sending a Commission from the United States to European nations with the object of securing a bimetallic conference, is the lamest piece of diplomacy an American government could be guilty of, for it is a glaring acknowledgement to the world of our own government's inability to protect an article of American production which England has planned to control and depreciate during the last thirty years. Mexico is the largest producer of silver in the world, and the United States ranks next to it; on account of the diminished output in our country, Mexico last year assumed the first place formerly held by this country. For Americans to be compelled to witness the imbecile and futile policy of sending a Commission to Europe to beg for terms from those who purchase our silver is a clear acknowledgement that we are not capable of managing our own affairs. If the government had asked a Conference with other, North and South American, silver producing countries, who make up nearly all the silver producers the world (with the excep-tion of Australia, which produced last year some \$13,000,000 of silver), the silver product of the world could be controlled by the countries who produce it instead of our having the humiliation to witness our own country begging for terms from the purchasers of an American product.

This country has witnessed the success with which corporations, producers, trusts and syndicates have been formed and combined to control certain articles of commerce and trade, but our statesmen cannot see the necessity of securing a combination by treaty of the silver producing countries of North and South America, with possibly Australia. This is the only means by which England and the Jews of Europe will be deprived of the trade and profit in American silver with the eastern countries and the Orient.

Let the silver producing countries agree by treaty to prohibit the export of silver in bars or other form except as coin minted at a fixed value agreed on by the countries making the treaties, and as a result England and the

money lenders of Europe will have to buy our coin as they did prior to 1873. The trade in silver with the east and Asia will be conducted, as it should be, by the silver producers themselves and the trade resulting therefrom will flow into the United States, or if not, then England will have to pay a higher price for it, and we will get a better price for the silver if we do not gain the eastern trade. So long as England and Europe can buy cheap American silver in bars and sell it to the east and Asia it is impossible to convince them that there is any gain to be made by them consenting to drop the custom of buying low and selling at the highest figure. that reason conferences in aid of bimetallism with Europe have failed in the past and will fail in this instance also, and the only cure for it is to force the market price up by the silver producing countries controling their silver exports at coin value. It is no experiment; it worked well for years, when our silver dollars as soon as they were coined went to Europe and were sold at a premium. European and American international bimetallism is to attempt to fuse the contending interests of buyers and sellers of silver. North and South American international bimetallism by treaty is the combination of producers in the interests of all to secure fair trade and value from foreign purchasers of an American product. The present government is pledged to protection of American industries, and the protection silver requires is to prohibit the export of silver in bars or other form except as U. S. coin, and to negotiate treaties with other silver producing countries to do the same.

HARBOR IMPROVEMENT DELAYED.

During the last session of Congress an act was passed appropriating \$2,900,000 for a breakwater for a deep sea harbor, to be constructed either at San Pedro or Santa Monica, both in Los Angeles County, Southern California. Contending interests made it necessary for Congress to appoint a commission of competent engineers to examine, survey and report on the most desirable site for the location of the deep sea harbor, and their decision was to be final. This was done in the most thorough manner, and the natural harbor of San Pedro, where three lines of railway terminate, was chosen in place of the open roadstead at Santa Monica, where there is only an open unprotected pier, owned by the Southern Pacific Railway, and exposed to the whole blast of the Pacific Ocean, and can only be approached on the land side by a tunnel owned by that company. For the third time in the history of San Pedro harbor improvement, that site was again chosen, having been the unanimous choice of two boards of United States army engineers on former occasions. Every thing now seemed certain that the long-neglected shipping interests of the south west were to receive the attention they require, and that the work of construction was to be proceeded with forthwith. A small cloud of opposition and smoke loomed up however in the family circle of the Secretary of War. General Alger, the pres-ent Secretary of War, made the discovery that the amount might not be sufficient to complete the work, and that there might be rocks and islands in the inner harbor at San Pedro, or may have been told so by some party holding conflicting interests, and for these reasons has neglected or refused to advertise for bids for the construction of a public work, which the people through Congress

voted the money for and now demand. When the Secretary of War took office, he swore to obey the laws of the land; but his first act has been to set aside a law passed by Congress, and refer the matter back for further consideration and debate. A more complete case of a Cabinet officer dictating to Congress what should be done, after the fashion of a European autocratic ruler, could not be found. As a consequence, no bids have been called for by advertisement, and no work has been done towards the construction of a harbor. Railway construction into the interior States of Arizona, Nevada and Utah, which was to commence with the harbor improve-ments, has been delayed. The railroads now in operation, and new ones which have been projected to terminate at San Pedro, have been delayed in consequence in beginning their intended improvements. Building has been delayed, to accommodate the increased trade which would result from the harbor construction. Our desert mining interests have in consequence been retarded and development prevented, by the action of a member of government who received their first election boom in Southern California. The Secretary of War considers himself the supreme judge of Congressional acts relating to his department, in place of being the paid servant of the people for carrying them into effect. The loudly expressed curses of the miners of the south west prompt this article, which we trust General Alger will read. The commercial organizations of Southern California have sent vigorous protests to the President at Washington, criticizing in scathing denuciations the action of the Secretary War, in regard to his total disregard of the wishes of Congress, as expressed in the act providing for the improvement of San Pedro harbor.

THE STATE MINING LAW.

We have received inquiry from prospectors who are in doubt as to whether they are to obey the old federal mining law-which requires all miners on unpatented claims to do at least \$100 worth of work each year on each claim, while the new State law requires that \$50 worth of work must be done within sixty days from the location of the claim. The matter in which they are all in doubt is— "which law are to operate under, or are we subject to both?"

The enactment of the new State mining law was made to prevent the pernicious prac tice of yearly relocating mining claims with-out working the annual assessment of \$100, and to prevent the wholesale location of claims by one party, thereby preventing others from locating claims. Both the new State law and the old Federal law must now be complied with, and they do not in any way conflict. The new State law was made to supplement the old Federal law, and refers to location, recording and work during the first sixty days, while the old Federal law refers to annual assessment work of \$100 of each

We published the full text of the new law in our issue of 15th ult. The new one is a wise enactment made in the interests of labor wise enactment made in the interests of labor and industry, and to prevent monoply and the do-nothing policy of holding mining claims and waiting for some one to come round and buy you out. The new state mining law is certainly going to ruin the business of the professional claim locator, and the industrious working prospector and miner will get the benefit, and be made industrious-

ly happy in consequence, for, as Sir John Lubbock said, "the secret of happiness is industry." To be at work in the congenial employment of developing ore makes the industrious prospector happy and often wealthy. Get down on your ledges, gentlemen, for sitting on an outcrop of a vein never pro-duced ore or make a miner rich, but development does both.

International Gold Mining Convention.

At a meeting of the members of the National Bureau of Information, held in the rooms of the organization in the city of Denver, April 3, 1897, it was decided to take the initiative in the matter of organizing the first International Gold Mining Convention, to be held on the 15th and 16th of June, 1897. temporary committee was then formed, con sisting of the following-named gentlemen, who were empowered to name a permanent committee or committees to take charge of the arrangements for holding the convention: Irwin Mahon, chairman, Joseph T. Cornforth, R. F. Hunter and H. W. Betts.

On the following Monday morning, April 5th, this committee convened in the office of Mr. J. T. Cornforth, who was then and still is the back-bone of this movement, advancing from his own personal account the money necessary to lay the foundation work. Mr. Thomas B. Everett, president of the Miners' Bureau of Information, also rendered financial aid, as did Mr. L. H. Flanders, another officer of the Bureau of Information. To these gentlemen much credit is due for the

success of this movement.

On Saturday afternoon, April 10th, at 2 o'clock, Chairman Irwin Mahon read the report of the temporary committee, which was unanimously adopted, and on motion, sec-onded and unanimously carried. The Hon. Alva Adams, Governor of Colorado, was made president, David H. Moffat, president of the First National Bank, treasurer, and Irwin

Mahon, secretary.

As in all great movements of a public nature, at this point of the proceeding a little friction arose among certain elements outside of the promoters, which delayed matters for some weeks, requiring a change of dates, and on May 4th, 1897. the temporary committee having the matter in charge, Messrs. Thomas B. Everett, R. H. Buck, and Robert F. Hunter, made the report to the joint committee of twenty, representing the National Miners' Bureau of Information, the Mining Exchange, the Real Estate Exchange, and Denver Chamber of Commerce and Board of Trade, which was adopted and read as follows. And on Thursday afternoon, May 8th, at 4 o'clock, the executive committee began business, establishing headquarters in the rooms of the Miners' National Bureau of Information, 1709-13 California street, Denver, Colorado. And from that moment, evidences in the way of responses to the call from all parts of the county began to present themselves to the committee, which warrants them in believing that the first International Gold Mining Convention will be the greatest and most representative assembly ever convened in the interest of mining in the history of the

The following is the report in full of the committee of three :

DENVER, Col., May 4, '97. TO THE JOINT COMMITTEE OF TWENTY:

Your committee of three, to consider the most favorable plan in proceeding to organize and call together the proposed International Gold Mining Convention, beg leave to report as follows:

GENTLEMEN:

Your special committee of three appointed by your honorable body, April 30th, 1897, instructed to formulate a plan for opening and conducting the said International Gold Mining Convention, have discharged the duty imposed upon them, and beg leave to report the following as the result of their deliberations, for your favorable consideration and adoption.

First: That the name of this organiza-tion shall be The International Gold Mining Convention, to be held July 7th, 8th and 9th,

in the city of Denver.

SECOND: That the first meeting of the convention shall be held on the 7th day of July, 1897, at 10 o'clock, a. m., and thereafter from time to time as the convention may determine.

THIRD: That the temporary officers, for the purpose of calling the convention together proceeding to permanent organization, shall be: The Hon. Alva Adams, Governor of Colorado, president; The Hon. J. L. Brush, Lieut. Gov. of Colorado, vice-president.

FOURTH: The Board of Directors shall consist of the list attached hereto, with power to make additions from time to time, as they may deem proper. An Executive Committee of eleven, of whom six shall constitute a quorum, with full power to call said convention, and carry forward to completion its organization, and the transaction of all business pertaining thereto, shall be selected by the joint committee of twenty.

FIFTH: After the temporary organization at the opening of the convention July 7th, the convention will create its own permanent organization and plan of proceeding.

SIXTH: That the Governors and Leutenant-Governors of the several States and Territories taking part in convention shall be Vice-Presidents, and that they shall be requested to appoint delegates to the convention.

SEVENTH: That the chairmen of all Boards of County Commissioners, Mayors of cities and towns, presidents of all Chambers of Commerce, Boards of Trade, Mining Bureaus, Mining Exchanges, Real Estate Exchanges. Miners' Unions, and Trades and Labor Assemblies, shall be delegates and that they be requested to appoint delegates from their district organizations to attend said con-

EIGHTH: Basis of representation.

The Governor of each State and Territory to name 30 delegates at large.
The County Commissioners of each County to name

5 delegates. The Mayor of each City and Town to name 5 dele-

And one additional for each 10,000 population or fraction thereof.

Each Mining Bureau......to name 5 delegates.

Each Mining Exchange.....to name 5 delegates.

Each Real Estate Exchange.....to name 5 delegates.

Each Chamber of Commerce.....to name 5 delegates.

Each Board of Trade......to name 5 delegates.

THOMAS B. EVERETT, R. H. BUCK ROB'T. F. HUNTER.

COLORADO'S MINERAL VIELD.

Record of Colorado from the day of the first

The following table shows the coinage value (silver \$1,29 per ounce) of the gold and silver produced in Colorado since the early days:

YEAR	GOLD	SILVER	TOTAL,
1850 to 1870	\$27,213,081	g 380,000	\$27,548,081
1871	2,000.000	1,029,046	8,029,036
1872	1,725,000	2,015,000	3,740,000
1878	1,750,000	2,185,000	3,935,000
1874	2,002,187	3,098,023	5.098,510
1875	2,161,475	3,122,012	5,291,387
1876	2,726,315	8,815,592	6,041,907
1877	3,148,707	8,726,879	0,875,086
1878	2.240,384	6,041,807	9,282,192
1879	2,020,326	12,068,980	14,989,256
1880	3,208,500	18:615,000	21,821,500
1891	3,300,000	17,160,000	20,460,000
1882	3,360,000	16,500,000	19,860,000
1883	4,100,000	17,370,000	21,470,000
1884	4,300,000	16,000,000	20,300,000
1885	4,165,794	15,824,557	19,990,881
1886	4 446,417	18,209,064	22,655,823
1887	4 874,887	15,668,236	20,542,624
1888	3,758,098	24,272,946	28,031,047
1889	3,686,217	28,559,057	30,195,275
1890	4,016,229	25,788 819	29,805,048
1891	4,764,880	27,295,093	32,062,973
1892	5,589,021	31,478,972	37,017,993
1893	7,487,071	20,452,882	26,989;950
1894	10,616,463	30,704,375	41,320,838
1895	17,340,495	28,211,896	45,552,391
1896	14,694,483.02	29,180,086,70	42,874,569.72

IRWIN MAHON, (Signed) Secretary Executive Committee, First International Gold Mining Convention.

Net Output of Butte Mines.

For the purposes of making up the assessment rolls for Silver Bow county the law requires that each and every mining company must file with the county assessor a statement of the earnings and expenditures of the fiscal year past. The following companies and mining men have handed in their reports covering the net proceeds from mining operations in the Butte district for the year

tions in the Dutte distinct for the June	
Anaconda	4,375,010
Boston & Montana	2,030,470
Montana Ore Purchasing Co	160,000
Butte & Boston	86,895
Colorado Company	48,975
W. A. Clark's eight mines	35,870
Alice Mining Company	40,025
P. A. Largey	2,810
James A. Murray	2,635
Arlington Mining Company	1,760
Lexington	1,115
Moulton Mining Company	935
the state of the s	

.....\$6,786,500 Total for 1895..... .. 3,634,595

The list is not as yet complete, as for instance the Parrot company has not yet filed its report. In its operations for the year this company has probably made free from operating expenses about \$250,000 from its Butte mines and smelter, but inasmuch as the smelter at Gaylord is in course of construction, the company may not pay its annual dividends, and that the earnings will go into construction work there.

Taking everything into consideration, and the large amount expended in improvements, development work and new machinery, etc. the profits have been very satisfactory to all concerned,-Western Mining World.

The Jeffrey Robinson Coal Washing System, which is manufactured by the Jeffrey Manufacturing company of Columbus, Ohio, is receiving much attention at this time from the coal operators in general. Its claims for superiority, efficiency and low cost of opera-tion have been thoroughly demonstrated in the many plants now in use. Among some of the recent orders for complete 400-ton washing plants are the following: Kansas and Texas Coal company, mines at Huntington, Arkansas; Muddy Valley Mining and Manufacturing company, Hollidaysboro, Illinois; the Chickamauga Coal and Coke company, Chickamauga, Ga., and the Tomas Creek Coal and Coke company of Pulaski, Va.

CORRESPONDENCE

COLORADO,

BOULDER, Colo., June 17, '97. EDITOR JOURNAL:—Boulder City has now in full operation two chlorination plants, one of 50 tons daily capacity; the second, about eight tons in twenty four hours. The former is owned by the Delano Mining and Milling Company, organized by capitalists from Hartford, Conn., and was built at a cost of not less than \$50,000.

Test trials have been made of almost all grades of mineralized matter, ranging from \$20 to \$100 per ton, with the result that last Thursday, the 10th inst., a brick of gold was cleaned up and moulded, worth about \$3000.

.960 fine.

It is stated, however, that the company charges \$10 per ton for treatment. This will not help the miner to utilize his low grade stuff, as immense quantities of our dumps will not average \$10 per ton, and it is for the treatment of this grade of mineralized rock that a new process is needed. The smelters will treat concentrates at \$4, and ore in bulk at \$6.50, from Ward Mining District, or any other sulphide ore, and while it costs not to exceed \$3 per ton for chlorinization, yet the miner must pay \$10.

Little was known by outsiders regarding the amount of ore treated to produce the gold

brick, or its value per ton.

The second chlorination works is owned by the Kilton Mining and Milling Company, who run a sampling works in connection with the process.

A gold brick, worth about \$1400, was placed on exhibion in the First National Bank windows a fortnight ago, being the

first product of this mill.

The tellurides of this county are called refractory, because they cannot be treated economically in the ordinary stamp mill furnished by amalgamating plates and concentrators, yet the smelter has no trouble in working the high and medium grades; but the necessity of the present is a process that will save the values contained in \$10 ore, at a cost of from \$2 to \$3 per ton.

Boulder has been the dumping ground for every new process and concentrator invented during the past 35 years, yet the stamp mill continues to increase in number, while the process man seeks new fields and a more gullable public, if possible, who will purchase his

fake invention.

The Bromine mill at Magnolia, erected at a cost of not less than \$100,000, has been pronounced a failure, and is today idle, being another monument of misplaced confidence and reckless extravagance. It is doubtful if it is ever started up again using the bromine process, as over \$20,000 worth of mineral has been wasted in experimenting, until the owner of the Nellie Bly mine would advance no more money for mining on ore that contained little or no value, when treated by a process the inventors claimed would save at least 95 per cent of the gold and silver contained in the mineral. The mine was closed down with the company heavily indebted to miners and merchants, with no desire to pay its debts.

A cyanide mill was built in Boulder canon two years ago, at a cost of \$50,000, for the purpose of treating low grade telluride ores. It scarcely started before the work was closed down, and last year sold at sheriff's sale for \$12,000 to D. H. Moffat.

Notwithstanding these monumental fail-

ures, other reckless mortals, who have no regard for other people's money, will come and build experimental machines, at enormous expense, which have failure written on every

piece of machinery.

A new inter-mountain railway, gauge, will be built from Boulder to the great mining camp of Ward, for the purpose of delivering the ore from the mines to smelters at a much less cost, and carrying passengers from the Union Pacific and Gulf depot of this city to the several mining towns along the route. This company promises to build a plant that will treat 500 tons of low grade ore daily, at figures that will treat \$10 ore at a profit to the miner. The transportation of stuff from mine to mill will be less than \$1 per ton, while the price of treatment will not be over \$2.50. With such a process, the mil-lions of tons on the dumps throughout the county could be utilized to a profit.

The first class telluride ores are marvelously rich in gold and silver, running from \$10 to \$100 per pound; but this grade is found in small streaks in the vein, while the smelting ore will average \$500 first class, and so on, according to the amount of sylvanite con-

tained in the rock.

Leasers at the Golden Age mine, Jamestown, Inter-Ocean at Sunshine, Rip Van Dam, and other mines, are taking out wonderful ore, containing pure gold in quantities.

The mining industry of this country is im-

proving, and sales of properties have been numerous this year. Huge tunnel schemes have been incorporated, and men placed at work to run them, by the aid of air-drills, through the richest gold districts of this county. Development work is being carried on extensively in all our mining districts, opening out on bodies for stoping hereafter.
WM. M. RULE.

CALIFORNIA.

Escondido, CAL., June 5th.

EDITOR JOURNAL:—As your special correspondent for this part of the country, I give you the following news: One of the richest mines has passed into the hands of eastern capitalists. May 24th, Dr. John P. Frizell, of Escondido, Cal., sold to the Du Quesne Gold and Silver Mining and Milling Co., of which J. R. Hedges, of Pittsburg, Pa., and William T. Spieth, of Cleveland, Ohio, are the leading spirits, for \$100,000. The purchasing company is reputed to have about \$4,000,000 capital, and intends to invest it in California mines. This is the second big sale that Dr. Frizell has consummated within the last few months in this section of the country.

The mines were allowed to lie idle for fiftyfive years until Americans came into the country and prospected them, then some little work was done, but by men inexperienced and with small capital. The deepest shaft is only 55 feet to water, but the ore has been uncovered on the surface a distance of over two miles. The last run of 35 tons in a Griffin mill cleared up \$700. The mine has recently been worked by the Escondido Mining Company, a small corporation, which transferred its interest to the aforesaid eastern company.

· The property was experted by Ben. P. Little, a mining engineer of Pittsburg, Pa., and J. Schofield, of Denver, Colorado, also a mining engineer. Mr. Schofield, after examining the mine and agreeing with Mr. Little as to the report to be made, went east to meet the new purchasers personally, while Mr. Little remains to take charge of the work

of development for the present. Fifty men were put to work on the first of June and a large mill will be ordered.

Any one wishing any additional informa-tion in regard to the Escondido mine can obtain it by seeing a copy of the State Mineralogist Reports, VII, IX, and XII, pages 240, 382, and 524. Please send me some extra copies of the Journal, and oblige,

Yours, "Escondido."

Tuolumne's Mines and Mining.

Tuolumne county has at last come to the front as the principal gold producer of Cali-fornia. The question of profitable deepening is a fait accompli, as some of our mines are down over 1000 feet to 1500 feet, a great number over 700, richer rock is discovered at those depths than that found above in the shallow levels, hence, it is no longer a presumption. Those who invest on the mother lode, and can find a surface prospect, in the regular metallic states, in the seams of quartz that permeate the vein matter, need have no fear that a chute or chimney will be found, a depth is attained, steadily going downwards, which will fully justify large expenditures in equipment and exploitation. This is now a fact fully demonstrated; but strangers and some experts who visit our mines are non-plussed when examining on the mother lode. They lack that practical experience on this mammoth fissure, so different from the mines they are accustomed to examine-often have disgusted-because they do not resemble the mines of Utah, Colorado, Idaho, Alaska, Africa, Australia or New Zealand. The mother lode is a study in itself—ergo, only those who fully understand its system should be relied on to pass judgment. A man must be educated by long practical experience on the lode, and know all the peculiar characteristics of its formation, with deep observation, before he will be in a position to satisfy himself, much less advise and recommend others to become purchasers, or condemn that they know not of. The want of this proper knowledge has been in too many instances the chief causes why Tuolumne's mines have remained dormant so many years, having had to rely on outside experting, gave this grand old county a black eye; but a change has taken place, for, by skillful treatment, this eccymosed condition has passed away. rely now on practical men that know the system and are able to advise, and the advice is heeded. Thus, today, she is recognized as the banner gold-bearing county of the state. Why not? By close conservative computation, we find Tuolumne has produced in the precious metal, since 1849, about \$220,000,-000. Is that not alone sufficient to prove our great auriferous deposits existed, and do exist, for all this wealth did not come to the earth in a snow storm, but came from below upwards. Today quartz mining is but in its infancy. There is now time enough for the investor to get in. Other far off fields lend enchantment to the view, as the old adage says, "Cows at a distance have long horns." The mining investor is not content at home;

in this instance, the rush to British Columbia exemplifies the above quotation. gold seekers are leaving California for distant gold fields, which they will regret when the good things have slipped from their grasp hence, now is the time for the astute capitalist to take hold and purchase developed and undeveloped mines. My advice is to buy good prospects and make the mine, rather than buy a made mine at an extravagant figure and large amounts extracted and gone.

I will now in a few words state why the mother lode in this country possesses advantages over other districts. All that is valuable is generally contained within 600 feet in width, being concentrated, and in close continuity and contiguity, with genial eruptive dykes, intersecting and paralleling the veins. These diorite and diabase dykes are the primary cause of the chutes of rich ore, as we find them here in Calaveras and Amador. The fissure is larger and more diffused. That rich veins are found in the counties mentioned is too well known, as, for instance, Utica, Kennedy, Gynn Sunda, Keystone and Old Empire of Plymouth-but of larger extent and lower in grade; hence, more expensive to mine, needing more and heavier tim-bers. I would rather have a two foot vein, that would pay \$100 per ton, than a 40 or 60 foot vein paying \$10 per ton. Our veins are not so large, but of higher grade, being con-centrated. Then, here we have four payable veins within the fissure-each and all can be worked at no unusual expense. I find if a chute is found on one vein here, the line will traverse all of the veins at a certain diverging angle, which, on being worked is easily ascertained.

We have our Rawhides, Jumpers, Dutch App, Golden Lute, and a number of other mines that are producers, and from the outlook will be second to none in the state, and I may say still further, from the Tuolumne River and several miles south east of the latter to the Stanislaus River, we have an unbroken chain of golden mines, all in more or less developed condition, that in the next few years our output of gold will be enormous. Further, we have our last belt-veins in both granite and slate formation, intersected by diorite and grano-diorite dykes. For instance, the Soulsby, Black Oak group, Draper, Eureka, Confidence, Buchanan, from which millions have been extracted, and many others of lesser magnitude-heavy gold producers, of which little is said. There are miles of auriferous lands that await the prospector and investor. This upper belt section is well watered, so that power is easily obtained; hundreds of mines are now being developed in this belt, even as far east as twenty-five miles from Sonora, rich finds are daily being reported from this section-space will not permit us to enumerate and give special mention of all its mines; suffice, more actual money has been taken out of this last or upper belt generally than the whole of the mother lode up to date. All of the gulches, creeks and rivers teamed with gold, which came from the erosion and attrition of the quartz veins-nature's quartz mill. These natural sluices have well saved the gold for man to find. If the gold had not been so found, our quartz veins would have for ever remained unworked, for, in the natural order of things, they would have been barren and had no gold to shed.

Our middle belt, the limestone, is the pocket and placer region, from which millions and millions have been unearthed. This product, now scattered to the four corners of the earth, having enriched thousands, and the golden legacy handed down by the successful miner to his heirs and friends all over the known world. The arts and sciences have drawn largely from this source of supply, and much has returned to mother earth and lost to circulation.

West of the limestone belt is found a distinctively sulphuret channel. The formation is a diorite-schistose structural rock, intersected by diorite dykes. The veins found in

this formation are generally of large size, but contain very little free gold, except near to the surface, there being oxidized. The gold has been freed from its base embrace, but on sinking the values are found almost entirely in arsenical sulphurets. For instance, the Golden Gate mine, celebrated not only for its richness, but for an unprecedented lengthy and costly litigation-lasting for several years, which happily is now ended. This mine is paying regular dividends, is well equipped, with chlorination plants, and all the latest devices for gold saving—20 stamps reduce the ore. In the same formation, we find the old San Guiseppe, that produces the highest gold, as regards fineness, in the world -being 981.1 fine-value \$20.28 per ounce, mint returns. The sulphurets are of very high grade and percentage, from \$1000 per ton and upwards. The Gerrymander, a par-allel mine, southeast of Golden Gate—large veins and high grade ore—arsenical sulphurets also in this belt-besides many others southeast.

Thus in this country we have four distinct belts: 1, the mother lode; 2, the diorite schistose; 3, the limestone placer and pocket, and the upper belt. The above are distinct channels.

I predict in the next fifty years fully as much gold and even more lies hidden in our inexhaustible treasure hills than has yet been uncovered. Mining today is a legitimate occupation, wisely and economically conducted, will produce a greater profit to the operator than any other kind of investment. Accept the opportunity that old Tuolumne offers, her hills and mountains bid you welcome. Seek and ye shall find.

ARGUS.

UTAH.

SALT LAKE CITY, June 25, 1897.

EDITOR JOURNAL:—The mining share market this week gave budding evidence of an inclination to throw off the lethargy that has prevailed for some time past. The fact is patent to all capable of judging that stocks, especially the silvers, have reached a level far below real values, and consequently there must shortly be a change in a decided upward movement. Speculation and investment buying is increasing rapidly in the east, and this will soon show its effects in western securities that are equally as safe and pay much higher dividends.

The continued good showing at the Ajax has attracted considerable favorable attention, and the resulting inquiry caused the stock to strengthen materially. Some heavy development work is being done at the properties, and gives good promise. Very little change occurred in Anchor, and practically no business was done in it. Bullion-Beck was again shaded, and it is hardly likely that special interest in the stock will be renewed until dividends, which are still indefinite, come again. The usual shipments of ore are being made, but margins are still light. At the mines no special change is reported. Buckeye is not very active, neither are figures changing materially.

All of the very cheap Centennial-Eureka seems to have been taken up, and offerings are extremely light under \$50. The properties are reported to be looking well, especially in the lower levels. No particular change occurred in Chloride Point, only light business being reported. The showing at the properties is said to be quite satisfactory. The Dalys were again almost neglected, and quotations changed but little. Daly West is

marketing some of its storage ore, but has almost ceased extraction. Another strike at the Dexter is reported by the management, and the stock toned up somewhat in consequence. The company will probably erect a new mill. Dalton was active at unchanged quotations. Eagle did considerable business at last week's figures, while East Golden Gate continues without life. Four Acres lost some of its new strength.

On the 30th, Geyser-Marion will pay its regular dividend of three cents per share. Demand for the stock was very active, and last week's figures again governed. The security is considered a good buy as an investment. Galena was on the market with some fine ore, as was also Utah. These companies are to have joint hoisting works. At the annual meeting of the Utah, the old directors were re-elected. Little Pittsburg was active, but somewhat lower.

Very little change occurred in Mercur, although a slight reaction followed the sharp advance of the week before. The mines are making a splendid showing, and all the ore extracted goes through the mill. An increase in earnings is already apparent. Mammoth was a little more active, but figures remained about as last week. On the 1600 foot level, another strike of gold ore has occurred. Although Northern Light is looking and doing well, the stock was somewhat shaded and business was only fair.

Ontario will pay its usual dividend on the 30th inst. The stock was unchanged. While the demand continued fairly strong, Omaha was slightly lower. The fight for the control has commenced in the courts. Rover was inactive. Sunbeam made a healthy advance, the change being due to attempted heavy buying by well posted people. Swansea has already declared its July dividend to be paid July 3d. The stock was unchanged, while South Swansea also held its own. No special change occurred in Sacramento, and business in the stock was not heavy. Silver King did but little, and quotations were without change. Another effort is being made to secure a lease on the Sunshine mines and mill. Last week's figures governed.

Very truly yours.

JAMES A. POLLOCK.

Miscellaneous Mining News.

ARIZONA.

Kingman Notes.

J. B. Lane is shipping rich gold ore from the San Francisco district in Mohave county. Mr. Lane has several good properties on which he has been at work for some time.

Charles George was in Kingman from White Hills with a shipment of ore from the Oversight mine, White Hills. He also has a sample shipment from the Free Coinage mine, a parallel vein with the Squattum.

George Klempf, W. I. Debeque, K. T. Brittingham and J. H. Sample have taken a ten month's lease on the Oneida mine from Frank Hawley and have already commenced work on it. The boys have good ore in sight and as all are workers who thoroughy understand chloriding they are in a fair way to take out a neat sum of money each.

J. B. Whitefield has leased the Lookout mine and will commence work on it in a few days. The Maguire boys will put up two arastras and work the ores from the mine. Thomas McMahon has taken a lease on the Nighthawk mine and has very rich ore in sight. Some of runs twenty-five ounces in gold and two thousand ounces in silver to the ton. Last week he had two tons of the ore worked at the sampler.

H. J. West came into Kingman from Painted Canyon the first of this week and returned the next day. He reports that the Hill and Rice mill is nearing comlection and that it will be started up on his return. D. A. Beebe has the contract to haul the ore from the mine to the mill.

Superintendent G. M. Bowers and George Walker went out to the Nighthawk mine, Tuesday June the 15th and let many leases on that property. The Nighthawk will soon be shipping to the sampler at Kingman in carload lots.

Hawley, Carleton and Martinez made a six ton shipment of Oneida ore to the Sampler last week that netted them big money. The mine is one of the best silver properties in the Stockton Hill country.—Mohave County Miner.

A Wonderful Arizona Mine.

M. H. Twomey, assistant superintendent of the Commonwealth Mining and Milling company at Pearce, who was on his way to the northern part of the territory June 18th to inspect some mining properties, says that about August 1st the mill will be completed. It is not a stamp mill, but it will have a capacity equal to forty stamps. The ore so far taken out of the mine is so rich that it has been profitably shipped. Seventy-two teams have been employed in hauling it to Cochise station. There is a great deal of ore of a lower grade in the mine ready to be hoisted. It has not been taken out for the reason that it would have to be twice handled. When the mill and hoisting works are completed, this ore will then be removed and the development work will be facilitated. The great wealth and extent of ore in this wonderful mine is shown in the fact that just now four men are drifting all abreast in ore which requires no sorting.

One of the improvements being added is an electric light plant from which, beside the power used in running the machinery, the mine will be lighted.

Speaking of the report that the owners of the mine had refused an offer of \$8,000,000 for it, Mr. Twomey says he does not suppose they have ever been offered a cent. They have never entertained an actual offer of any kind. They do not wish to sell, and so far as he knows no man with the intention of buying the mine has ever gone into it. It is unlikely, he thinks, that an offer has been made for anything that could not be seen. It is the policy of the management to admit no one. There is nothing to be concealed and nothing to be advertised, but crowds of visitors are annoying and exhaustive of valuable time. Mr. Twomey says that a proposition to purchase the mine would not likely be considered. The receipts from it are so extensive and steady that the property is more valuable in the estimation of an eastern business man who would not likely be attracted from that sort of an investment by an alluring lump sum. The price paid for the Pearce was \$275,000. The owners took that much out of the mine in just three months and ten days, beside paying all the expense of doing

Cherry Creek District.

(Special correspondence to Phoenix Republican.)

James Shirley has charge of the Etta mine and mill, and the work he has done has thus far proven satisfactory. The ledge is about five feet, and the ore is free grade and free-milling. It averages about \$18 to the ton.

milling. It averages about \$18 to the ton. The Etta is on the Rio Verde slope of the Black hills, which contain the United Verde at Jerome. It is in the Jerome district, southwest of Jerome camp, in Vavapai county, eight miles in an air line. Eight men are employed. The ore is crushed at the old Etta ten-stamp mill, five miles from the mine, on the Rio Verde River.

The Gold Ring mine near the Etta has been leased by Bert Morton and is being worked. The ore is being milled at the old Watson five-stamp mill on the Rio Verde, a mile from the Etta mine.

Below the Etta, a short distance to the southwest is the B. B. mine. Last year, \$20,000 was taken out of this mine. It is the property of Bashford & Burmister, of Prescott, and Mr. Nathhorst of Jerome camp. The mine is being developed and its promises are very encouraging.

are very encouraging.

The Crosscut and the Gulch mines are extensions of the Etta. Both are patented properties, and show good ore bodies. The Watson mill was built to treat the ore from these mines.

Frank Derrick has a group of claims known as the Cornicopia group on which he is doing development work. Indications point to an extensive ore body, and Mr. Derrick is developing the properties to strike this ledge.

The Mocking Bird is owned by Richard Te Kuhn, who was the first man to locate a claim in Cherry Creek district. This mine has the honor of producing the richest ore of any mine in the territory. But like all good things it did not last long. The ore is still rich, however, and the four claims embodied under the wings of the Mocking Bird are valuable ones.

There is the Orissa group on one claim, of which there is a seventy-foot shaft which is being sunk deeper. These are the property Editor Adams and Mr. Gilmour of Jerome camp. The ore is free milling, like the other gold-bearing ores in this district and averages very high. I can think of no one more deserving of wealth than an editor, and Editor Adams has an open countenance, just the kind Fate ought to be glad to smile upon.

kind Fate ought to be glad to smile upon.
J. J. Riley has the Gold Leaf properties which he is developing. A stamp mill has been ordered which, will be put up on Cherry

Nick Galles has leased the Bradshaw group here. The development work is extensive, and there is hope of making a good mine here under Mr. Galles' supervision. The ore body is large and the ore of high grade.

Frank Biffer is a tenacious man. For twenty-five years he has worked ore from his claims here with an arastra. There is hardly any expense to his process, as he uses water power. While he sleeps the water drives his rude ore crusher, and it does not require the attention usually claimed by these relics of the first days of mining. During all these years it has never been idle for any considerable period. It is a slow wealth producer, but it is sure. Mr. Biffer has a fortune of \$25,000, which he has accumulated. His mines are in Cherry Creek district, and the arastra is located on Cherry Creek.

The Rocky Pass group have tunnels, winzes and shafts, making the development about 500 feet. The vein is small but very rich.

A small, one-tank cyanide plant is located on Cherry creek and is treating tailings from the B. B. mine with profit

Development work is being prosecuted on some property owned by J. G. Allen. A portion of this property was sold to J. J. Riley for a consideration of \$2,500 cash.

B. Baker and J. F. Derrick own some claims near the B. B. which they are developing. Mr. Baker is the inventor of a new process for milling ore which he calls the "Prospector's Friend."

J. F. Pyront has some gold claims near the old Conger property. A seventy-five foot tunnel has been made into the hill, and a ledge of six inches in width was found carrying good values.

The district is not old and there is more work being done here than ever before. The gold is all free and the ore carries some silver. The fact that the district adjoins Jerome gives it a prestige not enjoyed by many.

The first pay day of the Saginaw mines in Pima county occurred Monday, June 14th. The payroll of the employes amounted to over \$700. This did not include a number of outside workmen. The body of rich ore continues to hold out and the outlook for the Saginaw is altogether very encouraging.

CALIFORNIA.

KERN COUNTY.

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Randsburg News.
Since the first of March all the business of the towns (that includes Garlock) went to the dogs and more than one-half of the people who were in business pulled up staks and went "inside," the legitimate improvement of the mines then commenced.

At the present writing there are more than four times as many men employed upon paying mines and doing legitimate development work than at any time time since the start of the the camp. Mining property is being sold, leased and bonded more freely than at any time.

Under the able management of J. C. Quinn, the Val Verde group of mines are doing splendid. The mill of this company is occupied night and day upon good ore from these mines and it is authoratively reported that this company will declare a dividend for the month of July.

The Rand group of mines are employing thirty men and the well equipped mill of E. T. Garlock is continuously employed crushing ore from the same. The celebrated Kinyon mine and the Wedge mine are milling ore as rich as was reported not long since in the

The impetus in mining is just being felt by the mills at Garlock and are running on very nearly full time.

F. H. Heald somthing over a year ago located ground for coal about four miles northwest from Garlock and notwithstanding the fact that it has been predicted time and again that such a thing as coal could not be found in this country, yet like gold, coal is where you find it. Mr. Heald has developed this into a well defined vein of coal eighteen inches in thickness. The coal is of a good bituminous quality and is now being used by the blacksmiths and restaurants of Garlock. The sale of this mine to a syndicate for \$15,000 is proof enough that it is sure to be valuable. Contracts are being made with the mills to furnish them with fuel. This will settle the question of cheap fuel for these parts.—Bakersfield Echo.

COLORADO

(From Daily Mining Record.)
SUMMIT COUNTY.

Breckenridge Notes.

The Mountain Pride is being unwatered with a view to resuming operations and will probably be working the regular force next week.

The Golden Edge mill started to running on Tuesday, June 15th. The Wilfley concentrating table, which will handle the tailings as they come from the amalgamating tables, was set up and adjusted last week.

L. G. Davenport and Theo. Knorr, who are working a lease upon a portion of the Germania group, shipped a car of ore last week; the ore contained a good portion of grey copper which runs well in silver.

Recent assays from breast samples of ore from the Bondy lode in Pollock mining district show a value in gold and silver of over \$50 per ton. It is reported that the paystreak has widened to about two feet.

Two car loads of machinery were unloaded last week for the new bedrock shaft, which is to be sunk on the New England placer by D. J. C. Arnold & Co. Their placer adjoins the Maggie and it is expected to strike an old channel of the Blue River.

The West Side mill has been running on ore from the dump of the Gold Dust. Wm. Robinson and Charles M. Drake have a lease on it and are having the ore concentrated before shipment. The mill is making a good grade of concentrates from the ore under the superintendency of Cal Reed.

A new strike of about fifteen inches of ore has been made on the hill above Lincoln in the Alex Lee by Joseph McKinney who has been grub-staked by Wm. Knorr for some time. The ore was struck in the tunnel, which has been driven for over three hundred feet; it is a galena which carries some silver and about one ounce in gold per ton.

The Kilton Ore Sampling company's plant is being built rapidly; the main building is enclosed and roofed (also the office) and it is probable that it will be ready for business by July 1st. They will have a large territory to draw upon for an ore supply; besides the Breckenridge mines, those of the Robinson, Kokomo, Dillon, Montezuma and Rock Creek districts will contribute their share.

OURAY COUNTY.

A contract has been let to former employes on the upper levels of the Yankee Boy mines to extract ore, till negotiations can be concluded the next sixty to ninety days, squaring up the entangled mass of indebtedness.

Frank Prevo has lately purchased an old property lying west of and ahead of the Gem tunnel which shows a big strong vertical fissure of crystalized lime, which is the same gangue that carries the high grade silver value in the grey copper ores in the Gem tunnel.

Week before last Mose Paquin, who has been running a sixty foot tunnel for the owners on the claim on Corbett creek, below the falls, known as the Overman claim, struck an eighteen-inch streak of yellow copper in a lime gangue carrying fifteen per cent. copper and three ounces of gold.

Superintendent Pelham started the Badger mill last Monday, June 14th, on Slide and Gem ores. His former success in concentrating Ouray ores is a strong guarantee of a profitable shipping product.

The lessees on the Jonathan last week came upon a quantity of good-looking ore which bids fair to assume the proportions of an important discovery in the near future.

The Gem tunnel on the west side of the river, on the line of the Bachelor dyke, is an old and favorably known property. Its workings consist of hundreds of feet and there are hundreds of tons of ore on the dump and in sight of a character and grade very similar to that in the Wedge mine. Crystalized grey copper asserts itself freely throughout the ore measures, and a 200-ounce grade of silver ore should be easily sorted, leaving a world of mill dirt for twenty to forty ounces value.

Ouray Mining and Exploration company, \$50,000; office, Denver; operate in Ouray county; incorporators, W. B. Williams, S. A. Osborne, E. P. Miller.

LAKE COUNTY.

Dorcas Mining and Milling company; \$1,500,000; office, Cleveland, Ohio; operate in El Paso and Lake counties; incorporators, J. M. Homer, Jr., Henry C. Topping and James Parfet.

Leadville Notes.

The sale of the Yankee Doodle claim, on Carbonate Hill was recorded last week. This mine has a record as a producer of at least half a million dollars.

The Marian shaft of the Small Hopes Company has now been completed, having reached a depth of 1330 feet. This is the deepest shaft in the district, the lowest depth gained at the Little Johnny being 1250 feet. From the bottom level of the Marian three drifts will be run to open up the lower ore chutes that have been discovered by diamond drill prospecting.

Fryer Hill reports several strikes that seem to be an echo of the old days of that section. Stanley & Co., working the McCrea shaft of the Little Chief, recently broke into a body of ore running as high as 6000 ounces silver. This is a new ore chute to the south of the old workings and of great importance, as it opens up entirely new ground.

The Vivian Leasing and Mining Company, on Breece Hill, is now in practical control of the iron shipments from Rock Hill, just south of California gulch. It has leased from the Iron-silver Company such well known properties as the Rock, Dome, Stone and Seventy-Six lodes, and sub-leased these to numerous groups of lessees. One of the most important of these leases is that operated by J. S. Doddridge & Co. They have opened up an iron ore body, 40 feet wide, for a distance of 70 feet. It is dipping away and a force of men is engaged in sinking the shaft to catch the chute again.

ROUTT COUNTY.

Colorado Onyx company, \$250,000; office, Steamboat Springs; Routt county; incorporators, James D. Husted, Abner B. Smith and

James A. Miller of Kansas, James H. Crawford and James F. Hadley of Colorado; organized to mine onyx, marble and stone in Routt county.

EL PASO COUNTY.

The Harrington lease on the Orphan Belle made a shipment of 30 tons last week. F. S. Johnson, the new manager, has taken charge of the property and will increase the force and make a much larger output than has been made the last month.

Moore & Wilson, of the Pike's Peak, made shipments of 40 tons of first-class ore, 24 tons of second class ore and 60 tons of mill dirt the past week. Only a small force of men are employed and a number of sub-leases are let. The property is paying the lessees well and work on a much larger scale is contemplated.

The Skinner lease on the O. K., near the New Zealand on Bull Hill, is a new proposition that has a very favorable showing. At a depth of 60 feet a large vein of talc is found, which runs \$30 to the ton. Considerable ore is on the dump at present and regular shipments can be made.

The Portland mine is putting in an Ingersoll air compressor of 12 machine power, and two 80-horse power boilers. Work is to be resumed in the main shaft.

The strike of a new ore chute on the Dante, reported last week, has been opened out and shows a body of rich ore nearly 7 feet in width across the vein. A shipment of about 40 tons is ready, and will be sent in some time during the latter part of this week. From assays made, the ore is expected to be worth about \$80 to the ton.

GILPIN COUNTY.

Mr. Nelson, of the Evergreen in Evergreen gulch, is building a road and making preparations for a shipment of about 50 tons ore to the Rocky Mountain concentrator at Black Hawk.

Rose & White, who are sinking their Mystery claim near Twelve Mile, last week had an assay made of a 10-pound piece of ore taken from the bottom of the shaft, which showed values of 8 ounces gold and 56 ounces silver per ton. Their shaft is only thirty feet deep and the above is a very satisfactory showing.

The 7-90 Mining Company are steadily operating their St. Anthony property, adjoining the Spur Daisy on Negro Hill. Preparations are being made to sink another lift of 100 feet, but at present the east and west 100-foot levels are being extended, and stoping is being carried on from the second to the first level. Shipments are being made right along with a working force of five men, there being a nice body of ore in the west level. The ore at present shipped carries values of from \$30 to \$60 per ton.

Sinking is progressing favorably in the Charcoal Charlie shaft, which is now down 70 feet on a contract calling for 100 feet of sinking, which when completed will make the shaft a total depth of 150 feet. Some good looking yellow copper ore is being taken out while sinking, and operators feel well pleased with the present showing.

CLEAR CREEK COUNTY.

Georgetown Notes.

Alspaugh & Co., lessees on the Colorado Central mine, owned by the Aliunde Consolidated Mining Company, who are working on a block of ground between the Ocean Wave tunnel and 750-foot level, met with a surprise the other day, when the vein of ore widened out to three feet. This was not altogether unexpected, except the magnitude of the vein.

A change in the ownership of the Headlight mine, near Empire, is looked for soon. A vein of solid ore, ranging from four to six inches in thickness, has recently been disclosed in the stope, the value of which, according to a late mill run, is four and onehalf ounces gold to the ton.

William Jacobs has taken hold of the Eureka mine, in Ohio gulch, under lease.

Professor Old has been given possession of the so called Dunderburg workings within the Frostburg patent, the Dunderburg Company having failed to file a motion for an appeal with the court of appeals at St. Louis. The ground in contest is from 200 to 400 feet in length, and has six workings. A large amount of ore has been extracted from the ground, and a suit is now pending for \$300,000 damages against the Dunderberg Company. Work was commenced last week by Robins & Co., to drive the west level of the Sherman mountain tunnel to intersect with the D level of the Dunderburg workings, which was recently awarded to Mr. Old. The connection has been made and the D level is being cleaned out.

M. F. Petersen has a contract to extend a tunnel in the Sunnyside mine to open it up from the Clear Creek side.

Chas. Bressler is getting out timbers for use in the Malvern Hill mine.

Bab Piazzoni continues work in the Swiss mine with a small force.

During the past winter, the Savercool brothers are supposed to have done fairly well at Dutch Hill.

E. E. Ross has four men employed in operating a hydraulic mine on the east side of the North Fork opposite the Cameron mine. Satisfactory results are being reaped.

Cusick & Co. will supply their river mine with a donkey engine and a pump, with which they expect to do effective work.

Messrs. Austin and Cadle who have the Pliocene drift mine leased from Messrs. Bransford, Austin and Higbie, are taking out good pay.

BOULDER COUNTY.

The Modoc mill was started up the fore part of June with 10 stamps employed. The balance of the stamps will be set in motion within a short time.

The Montgomery shaft is now being sunk by double shifts by contractor Stente. The mill is running spasmodically on clean up lots of mill dirt, but within a few days the stamps will be put in motion for a period of steady pounding.

Tom Williams of Quigleyville has taken an option and 5 year lease on the old Cold Spring mine at Gold Hill and proposes to operate the mine on an extensive scale this summer. The production of the mine up to date is variously estimated between \$200,000 and \$500,000.

Prof. W. E. Mead on Monday of last week consummated the sale of the Great Western Extension lode, a promising looking property lying north of the White Pine. The purchasing parties are Philadelphia people and the consideration was \$2000 cash. The mine is opened up to a depth of 20 feet and in the bottom of the shaft is a vein 8 feet in width, most of which bears mineralized matter. It is in the intention of the new owners to immediately improve their property by sinking the shaft another 100 feet.

LA PLATA COUNTY.

A carload of ore is sacked at the Jenny Lind waiting on the packers who are so crowded with work that they are getting behind with their orders.

A big strike was made last week by R. C. Reese in the Little Jane mine. He ran a short crosscut to the vein some distance below the shaft and has an 8-inch pay streak of tellurium ore that runs over \$250 per ton without sorting.

MEXICO.

The powerful smelting firm known throughout the republics purely as the Guggenheims have just assumed control of another copper mine. The property is situated but a short distance inland from the Dolores siding, about eight kilometres south of Jimenez, state of Chihuahua, on the Central's main line. It was formerly owned by Mr. Gomez Rueda, a commission merchant of Jimenez, who disposed of it for the sum of \$150,000 cash. It is an old mine but has been profitably worked recently, the extractions showing the reddish, malleable ore to be of the finest quality. The new owners will operate the property on a much larger scale in the future, inaugurating improvements that will necessitate a large outlay of capital. The ores will be shipped to Monterrey and Aguas Calientes for smelting purposes.—The Trader.

Frank S. Kirkland has just denounced 25,000 acres of mineral lands in the Iturbibe district, in the state of Jalisco. The property is
called El Concho, and the taxes amount to
\$16,000 annually. The ores carry both gold
and silver.

The government has published in the Diario Oficial a statement showing the exports of minerals from Mexico, for the first half of the fiscal year 1896-97. According to this statement, the exports of the precious metals were \$31,787,926, as against \$31,556,414 for the same period in 1895-96, an increase of \$231,512.

The mining boom in the estate of Chihuahua is increasing, and large amounts of American and English capital is being invested there.

The Velardena company pays the small sum of \$40,000 monthly to the Mexican International railroad for freight.

The number of mines in the Guanajuato district is more than twice as great as when the present mining law went into effect, according to the receipts from taxes.

Contrary to the common belief, the decline of the price of silver has not closed the mines at Zacatecas. The effect has been rather to

increase the output. Old mines are being worked with vigor and new ones are opening.

The new Ario Copper and Exploration company has just been organized in London with a capital of \$400,000. It proposes to carry on a general Mexican mining business, but particularly in the Ario and Morelia districts of Michoacan.

Mr. F. W. Nash, treasurer of the Omaha and Grant Smelting company, was in Mexico in May. This company, in addition to its smelting interests in the United States, conducts the smelter at Villaldama, under the name of the Villaldama Mining and Smelting company. It has a large number of mines and has over 1,200 men on its Mexican pay roll. The smelter at Villaldama is smelting 200 tons of ore a day.

NEVADA.

The Golden Eagle mine, in Central District, Humboldt county, has a shaft down on good ore, and has shipped a carload of first class ore the first of the week.

Sinking has been resumed on the Young America East, at Tuscarora, under the direction of Superintendent Parsons. Work had been suspended pending the arrival of necessary timbers and lumber.

Mountain City Mines.

About seventy-five miles north of Tuscarora, in the great mineral belt wich is attracting the attention of mining men in all parts of the globe, is situated a town, which in the palmy days of Nevada, was one of the greatest wealth producers of the west, but the demonetization crime of 1873 closed the mines and hushed the rumble of the mills. Since then, no work to speak of, except a small amount of prospecting, has been done until this spring, when the news of the rich discoveries in this great region brought mining men and prospectors from all directions, and now Mountain City stands well up on the list of prospective leading mining camps.

This district was organized in March, 1869, by A. J. Cope. During the following summer, a general merchandise store was opened by Leander Fisk and Frank Fellows, and one by Mr. Openheimer, of Elko. In the spring of '70 a ten-stamp mill, propelled by water power, was erected by a Mr. Vance for custom ore, and another of the same capacity was built by Colonel Drew. The first contract let to the mill being for 1000 tons of ore. Nearly all the work done on the camp had been on the surface not to exceed ten feet deep, and over \$34,000 was taken out of the float. The experience on all the old mines was that the ore was very rich, and a gold ledge found on nearly all the properties, but on sinking they seemed to give out all of a sudden. Prospectors who have recently gone in held to the theory that this was caused by slides, or faults, and have proven their theory correct.

Messrs. Ish, Band and Hill, of Cripple Creek, Colorado, have taken hold of the Mammoth, a mine from which over \$100,000 was taken out from the surface to a depth of ten feet, and have sunk seventy feet and drifted forty feet on the ledge in good ore. They expected to strike the chute of ore in another twenty feet, but were compelled to suspend operations on account of the great body of water which they were working against, and

cannot do anything further until pumping

machinery arrives

The most noted mine of the camp was the Argenta, which produced over a quarter of a million dollars. Other mines upon which considerable work was performed in early days were: the Mammoth, Congress, Excelsior, Mountain City, and Robert Emmett.

A concentrator, built by G. F. Talbot and

John Ainley, is still standing, and with no great amount of expenditure could be put in

working order again.

Joe Tippett has eight or ten claims that carry considerable gold, and upon which operations will be vigorously prosecuted during the summer.

About ten or fisteen men from Cripple Creek are already at work in the mountains, and as many more are on the road, en route for Elko county's new El Dorado, and two or three hundred California miners are expected to arrive during the next few months.

From W. W. Chisholm it is learned that another shipment of ore has been made from the Kinsey mine, in White Pine county, Nevada. Mr. I. N. Dunyan has returned to Salt Lake City from the mine, which from all accounts is looking well with good ore reserves in sight.

James W. Linnell, the former superintendent of the Dexter mine, at Tuscarora, Nev., who was under arrest for the alleged theft of amalgam from the company, was in Salt Lake City last week, and it was learned from the officers of the company that all differences heretofore existing between Mr. Linnell and the company had been amicably adjusted, the difficulty being satisfactorily settled to all parties concerned.

In speaking of the loss of bullion at the mill during the past three months, the company stated that it had no evidence compromising Mr. Linnell with its disappearance.

In referring to the circumstances concurrent with his arrest, Mr. Linnell stated that, feeling at the time that he had been unjustly deprived of his rights and liberties, he became angry and caused the arrest of Messrs. Lee and Ellis, although he was then fully satisfied that they were in no way implicated in the taking of the 30 pounds of amalgam, which so mysteriously disappeared from a closet in his residence.

It was learned the other day that on the 10th ult. hoist No. 4 was destroyed by fire at the Dexter mine, but this will not interfere with the operation of the mill, as there is plenty ore on the dump to keep the plant in constant operation until the new shaft will be in running order, which will be some time in near future

The reports from the mine are very encour-

Two separate parties are chloriding in the Meadow Valley shaft No. 3, and overhauling the steam hoist at Pioche, Lincoln county. Screenings for leaching purposes are being taken out, while the chances of striking a chute of pay ore are good, for that vein was a bonanza for years under the management of the Meadow Valley Company to chloriders and tributers, and recent caves in the ground show up promising leads in several places.

The Freudenthal boys having terminated their lease on the Lyndon mine at Comet, in Lincoln county, are preparing a shipment of ore which will consist of several carloads, and which they expect to get off about the 1st of July. Only ore running upwards of 100 ounces of silver to the ton is shipped. Less value than this leaves too small a margin of profit, and the result is that the mine boasts a dump of several thousand tons of ore which in almost any other section would be converted into bullion.

NEW MEXICO.

Hillsboro Mines and Mills,

Output of Hillsboro gold mines for the week ending Thursday, June 26th, 1897, as reported for *The Advocate*:

AND THE RESERVE TO A PROPERTY OF THE PARTY O	Cons
Wicks	40
Butler	15
Richmond	45
Happy Jack	10
Snake Group	45
Opportunity	10
Sherman	15
Prosper	15
Eighty-five	10
Rex (silver-lead)	20
Total	225

Total output since Jan. 1, 1897,-3,870.

UTAH.

Patsey Marley, an old time prospestor, reports the discovery of a rich deposit of copper ore within two hours walk of Salt Lake.

The Gemini at Eureka began loading ore June 10th for the first time this year and it is expected that from now on the mine will be a regular shipper.

Superintendent Getchell, of the Beaver Lake Copper company, writes from Beaver Lake district that the mine of the company is improving as work progresses. The new working shaft is now down a depth of 16 feet, the whole bottom being in a body of shipping ore, and the indications that the mineral zone will grow in size as depth is attained. It is the intention of the company to make a car-load shipment of ore this week. The directors and stockholders are feeling highly elated over the outlook for the property.

A few days ago rich assays were received from a piece of white iron sent in from a new discovery in Iron county, supposed to be in the vicinity State Line. Another test was made June 19th by Assayer Tremayne, and the result showed values 6.2 per cent iron, 21 ounces silver and \$6,080 in gold to the ton. The prospector who made the find was sent out by Professor C. P. Converse, who will investigate into the extent and value of the discovery.

W. J. Wolstenholme of the New State, who returned Friday night, June 18th, from a visit to this property, which is located at the mouth of Little Cottonwood canyon, says that the men are now sinking a winze from the tunnel on a seven-inch pay streak, and that as depth is attained this rich body of ore is gradually increasing in size. Mr. Wolstenholme took out some ore sacks with him, which are being filled with rocks that assays \$120 in gold to the ton. It is the intention of the company to resume work at an early date in the extension of the lower tunnel for the purpose of cutting the ledge at a greater degth.

It is reported that there is a very encourag ing showing in the Levant mine, near the Highland Boy near Carr Fork gulch, Bingham. the tunnel in this property is in a distance of

220 feet, in the face of which there is a twofoot body of ore that carries average values of 14 per cent Lead, 32 ounces silver and \$1.60 in gold to the ton, while through this chute of ore there are small seams and stringers that run very high in gold, the result of 18 average assays showing \$290 in this metal and 100 ounces in silver to the ton, besides 40 per cent lead. On another portion of the property there is a good showing of copper ore and it is the intention of the owners to do some effective development work on the claim during the present summer.

Shipments from the Tintic Mining District

for the week are as follows.	
	CARS.
Bullion-Beck mine	- 20
Centennial-Eureka.	3
Eureka Hill Mill, concentrates	
Uncle Sam	
Mammoth Mill, concentrates	
Mammoth	6
Carisa	
Swansea	
South Swansea	
North Star	
Joe Bowers No. 2	· I
Lucerne	. 1
Domingo	. 1
Total	. 71

GENERAL NEWS

The Los Angeles Mining and Stock Exchange.

On account of the limited amount of space we cannot give the daily call, but the following is a synopsis of the proceedings of the last two weeks:

Monday, June 14th .- Market opened up

bright and active.

Cariboo was steady at 491/2c bid; offered at 50c, with sales of 200 or 300. This property is being thoroughly prospected and very flat-

tering reports are received.

Tuesday, fune 15th.—The surprise of the early part of the week occurred in Tuesday's market. Wedge opened up on Tuesday morning at 90c, and several hundred shares were sold at this price. The price then rapidly advanced to 91c, and from there jumped to 94c without an interruption. Before the close the price had advanced to 99c under sales of several thousand shares

The heavy trading in Wedge detracted somewhat from the interest in Rand Mountain, and this stock, although holding its

own at 11/2c, was not very active. Wednesday, June 16th.-Cariboo is still steady at 49½c bid; offered at 50c. Sales of 100 or 200 were made at that figure. Wedge advancing, at \$1.00; offered at \$1.01, with sales of 200 or 300 at \$1.00. Laguna offered at 9½c. Rand Mountain holding its own at 136c; offered at 158c. Sales of 2000 to 3000 were made at the above price. Pacific Conwere made at the above price. Pacific Consolidated 1c bid; seller 5 days. Brown Dake 11c bid; offered at 13c. Iron Mt. offered at 13c. Little Butte, 13c bid; sales of 200 at 12½c. Anaconda, 50c bid; offered at 53c. Argentum Juniata, 30½c bid; offered at 33c. Mollie Gibson, 31½c bid; offered at 33c. Portland (Dividends on) 60½c bid; offered at

Thursday, June 17th .- Rand Mt. steady at 1½c, with sales of 5000 to 10,000. Pacific Consolidated active, sales of 1000 to 10,000 at Wedge not overly active; 100 at \$1.00 and 100 at \$1.01. Cariboo steady at 50c.

Ouite a little interest is taken in Laguna

stock; 71/2c sales of 1000 or 5000.

Friday, June 18th—Rand Mt. advancing, 11/2c bid; offered 13/4c, sales of 5000 or 9000 at 11/2c. Pacific Consolidated steady at 1c, with good sales. Wedge holding its own at

\$1.01, sales of 500 at \$1.00\%. Cariboo 100 at 50c. Laguna 1000 at 7\%c.

Saturday, June 19th.—Cariboo 49\%c bid; offered at 50c, sales 200 at 49\%c. Considerable interest taken in the Wedge; \$1.01\%c. bid; offered at \$1.02, with sales of 1000 at \$1.01. Laguna offered 73/4c. Sales of 1000 or 5000 at 11/2c were made in Rand Mt. stock. No change in Pacific Consolidated at rc and sales of from 2000 to 4000 at 1c. Iron Mt. offered at 1%c; 2000 at 1%c. Little Butte, 13½c bid, with sales of 100 at 15c. Portland, 60c bid. Total sales for the week, 46,000 shares.

The market throughout this week has been one of continual surprises, showing the demand for good mining stocks based on well

selected properties.

Monday, June 21st .- Opened very quiet on the daily call board of the Exchange, with the lightest trading and fewest orders on the floor of any day since the opening, several of the leading brokers having been in Rands-burg. Sales on the Pacific Consolidated were good; 20,000 at 1c was one of the sales, and they ranged from 1000 to 20,000. Wedge rising; 200 at \$1.041/2. Laguna stock declining a little; 5000 at 7½c. Cariboo holds strong; 300 at 49½c. Rand Mt. sales increasing; 1000 or 2000 at 11/2c. Val Verde, 200 at 8c.

Tuesday, June 22d .- Pacific Consolidated very active, 1 1/4 c bid; sales of 2000 or 5000 at 11/8c were numerous. Laguna steady; 2000 at 71/2c. Considerable interest was shown in tee Rand Mt.; 23,000 shares were sold during the day at figures ranging from 13/4c to 17/6c. Cariboo, 100 at 491/2c. Wedge, 100 at

Wednesday, June 23d .- Cariboo, 493/4c bid; \$1.03½ bid; offered at \$1.04½, with sales offered at 7½c. No change in Rand Mt; 1 76c bid; offered at 2c; sales 3000 or 5000 at 1 1/8c. Pacific Consolidated active; 1/8c bid; offered at 11/4c, with sales of 5000 or 10,000 at 11/4c. Brown Dake, 5c bid; offered at 12c. The following are the unlisted stocks that

are active:

Iron Mt. (Cripple Creek) 15/8c bid; offered at 134c; sales 2000 at 134c. Little Butte (Randsburg) 10c bid; offered at 24c. Red Cloud (Cripple Creek) 14c bid; offered at 14c. Anaconda (Cripple Creek) 50c bid; offered at 51c. A. J. (Aspen) 364c bid; offered at 37c; sold 600 at 36c. Mollie Gibson (Aspen) 30c bid; offered at 36c. and sold son (Aspen) 30c bid; offered at 36c, and sold 100 at 35c. Portland (Cripple Creek) 59c bid; offered at 60c; sales of 150 at 591/2c were made.

Thursday, June 24th.—Cariboo slow 4978c bid; offered at 50c, with sales of 100 at 50c. Wedge strong; sale of 4000 at \$1.03\%. Laguna steady; 2000 at 73\%c. Rand Mt., 24,-000 at 11\%c. Pacific Consolidated, 11\%c; 19,000 shares sold at 11\%c. Unlisted stocks were offered for sale: Iron Mt., 15\%c bid; offered at 13\%c. Little Butte, 11c bid; offered at 13\%c. Partland rea bid; offered at 600. at 25c. Portland, 59c bid; offered at 6oc. A block of 1,850 shares of the stock of the Volcanic Copper Mining and Smelting company was offered at 35c, the balance to be held. This is an unknown stock and no bids were made.

Friday, June 25th.—Cariboo slow at 491/8c;

offered at 50c. Wedge steady at \$1.03½c; offered at \$1.05; sales, 100 at \$1.03½ and 100 at \$1.04. Laguna seems to stay at 73%c; offered at 7½c, with sales of 1000 each at 7½c and 7½c. Rand Mt., 7½c; offered at 2c, and 39,000 shares sold at 2c. Pacific Consolidated, 1½c; offered 1½c, and 6000 at 1½c sold. Brown Dake, bid 10c; offered at 12½c. Unlisted active: Iron Mt., 15%c bid; offered at 1½c Portland 503%c bid; offered at 13/4c. Portland, 59/4c bid; offered at 59/4c; sales, 1000 at 59/4c. Little Butte slow at 10c bid, and offered at 24c.

Saturday, June 26th.—Cariboo steady at 49%c bid; offered 50c; sold 100 at 49%c. Wedge very active; over 1200 shares sold at figures ranging from \$1.02 to \$1.031/2; bid \$1.03¼; offered at \$1.04. Laguna steady at 7¾c; sales, 1000 at 7¾c. Rand Mt. active; 1½c bid; offered at 2c, with sales of 1000 at 178c. Pacific Consolidated holding its own at 11/8c; seven sales of 1000 shares each at 11/8c were made. Brown Dake, 10c bid; offered at 121/2c. Unlisted stock active: Iron Mt. offered at 13/4. Little Butte, bid 23c; sold 1000 at 20c. Portland, 59/2c bid; offered 61c. Volcanic, 100 at 30c.

Gold and Silver Production.

The product of gold and silver in the several States and Territories of the United States for the calendar year 1896 is estimated by the Director of the Mint to have been as follows:

State or Territory.	Gold Value.	Silver Coining Value.
Alabama		\$
Alaska	2,055,700	187,763
Arizona	2,004,200	2,473,373
California	15,235,900	29,185,293
Colorado	14,911,000	29,185,293
Georgia	151,000	776
Idaho	2,155,300	6,658,457
Iowa	1,000	
Maryland	300	*****
Michigan	300 37,200	76,283
Minnesota	800	
Montana	4,234,700	21,640,404
Nevada	2,468,300	1,355,895
New Mexico	475,800	889,277
North Carolina.	44,300	646
Oregon	1,451,000	79,998
South Carolina.	63,300	338
South Dakota	4,969,800	286,727
Tennessee	300	
Texas	8,000	69,305
Utah	1,899,800	11,413,463
Vermont	1,000	
Virginia	3,500	
Washington	405,700	355,426
Wyoming	14,300	129
24 100		

\$53,088,000 \$76,069,236 In this, as is the rule, the silver is estimated at its coinage value, when it has no coinage value. It has had only a commercial value since the repeal of silver coinage laws, and the commercial value is less than \$38,-000,000, instead of \$76,069,236, as stated by

THE MINING OUTLOOK IN SPANISH AMERICA.

the Mint.

New Fields, New Development and More Interest Taken.

California, although having been considerably worked the past fifty years, is yet a good mining country, and, practically-speaking, hardly commenced on from a scientific and systematical standpoint; but, owing to the large amount of capital now required to thoroughly develop the mines and make them pay with expensive machinery plants, the ordinary gold hunter is unable to operate and

work the mines as should be done. Only the capitalist can handle and put them on a paying basis.

The locating and holding of mineral lands in California as agricultural lands, and the anti-debris hydraulic law, has had the effect to cause the hardy gold-placer workers to do something else for a living, or seek new fields for mining where a great amount of capital is not required, and similar conditions exist as was found in the early period of mining in California. Hence, the ever restless and ambitious prospectors are always on the alert for any new openings and new El Dorados that naturally offer inducements to correspond with his strength, experience and means to develop, build up and replenish his depleted condition. History repeats itself, and what has been done can be done again, if not in California, then in some other new fields of operation. Alaska is a good and new country; but shortness of its season for work makes that country a hibernating field nine months of the year, where miners have hard work to keep the icy terrors from freezing his soul, and, during which time, the only light which looks in upon his solitary cabin is that which comes from aurora bore-

California is blessed with a genial and balmy climate that is favorable for out-door work. All countries are not so blessed; but, in some respects, otherwise may be better off. Most all countries are not overdone, overrun, and competition is not so great. California, with its metropolitan cities, modern improvements, railroads, etc., is not exactly a new country. More or less hardships have to be encountered in all new countries. Hence it is that Spanish America to day is practically the only new field remaining for the hardy, poor, ambitious miner to make a beginning— all things considered. There is a broad field and broad avenues for the accumulation of wealth. The preservation of health should be uppermost in his mind, and, in order to obtain and retain that, the high altitudes bordering on the Pacific Coast are more favorable and correspond with that in which he has been raised.

From the Mexican line between the United States on the Pacific Coast to the Republic of Ecuador is one vast mineral deposit of gold, silver, platinum, iron, coal, etc. No agricultural land locators of mineral lands, and no anti-debris law to bother the miner. The necessary factors to mine with-water and timber, are on the same land in abundance. The auriferous sands are easily worked, and it becomes the paradise of the hydraulic washer with handsome profits. This country is yet in a crude state, and very little, if any, developing has been done in a way to be called a satisfactory test, only by primitive methods. It is more of a silver than gold country until you reach the center of Central America. From this point to beyond Ecuador, across the line into Peru, South America, the gold deposits are more abundant, then silver is again king-which is destined to be the ruling money of the world. In proof of this assertion, look at the wonderful prosperity existing today in Mexico on a silver standard. In these tropical mining countries, although somewhat tropical on the low lands, yet the mountains offer, and there does exist equally as good a climate as found here in Los Angeles. It is no place for society people or too delicate men. It wants men of determination and staying qualities.

Not long since, several young and experienced men, of good standing and means, left Los Angeles to engage in placer mining in one of the low valleys of the Republic of Columbia, bordering on the Atlantic coast. They encountered hardships, but found some rich gold deposits that were inaccessible, also found, of course, plenty of fever. As a natural consequence, they are all back home again. Now, if they had gone down on the Pacific coast, instead of the Atlantic, they would have found a better climate and less fevers and just as much gold. It makes, all the difference in the world which coast you are on in tropical Spanish America. The day is not far distant when this new El dorado will lead in the output of precious metals of the world.

G. E. PLACE.

A nugget of pure gold worth over \$5000 was taken from the Ybarra mines, 250 miles south of San Diego on the Peninsula of Lower California.

The offices of the *Mining and Scientific Press* have been removed from 220 to 330 Market St., San Francisco, Cal., the finest business location in that city.

PERSONAL NEWS ITEMS

The general manager of the Parke & Lacy company of San Francisco, J. C. Harron, will return home from Australia in a few days.

George Simon, the mining expert, famous all over the coast as "Diamond George," who located the Desert Queen mine near Banning, Cal., that recently sold for \$240,000, has been on a tour of inspection in Yuma county, Arizona.

D. R. Oliver, the well known mining man of Stockton, was in Sonora, Cal., the early part of last week.

W. S. Stratton, the Cripple Creek mine owner and owner of the celebrated Independence mine, was in San Francisco, Cal., June 17th.

J. C. Rankin has purchased Dan Thores' Standard mine at Prescott, Arizona, instead of the Goodenough as first reported. Purchase price was \$50,000. J. M. Waugaman of the Greenhorn Mountains, was in Bakersheld, Cal., June 24th, looking after the machinery for his stampmill which arrived last week.

Ross E. Brown, the mining engineer of note, who has been making his headquarters in Spokane, Washington, has left for London, England.

Isaac T. Stoddard, who has been on a trip east, has returned to Prescott, Ariz.

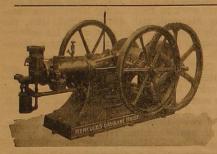
Henry Bratnober, the mining man of San Francisco, Cal., has gone to Alaska to look into the mining industry of that territory.

Leo Marix, who is interested in some good mining properties in White Rock, near Tuscarora, Nevada, left for Salt Lake, Utah, the middle of last month.

James A. Abbott, who has been on a trip through the east for the last six months, has returned to Yreka, Cal.

J. A. Maxson, a prominent mining man of Denver, Colo., has been in Bisbee, Arizona, and seems well pleased with that section of the country.

Jacob Schoenfield, who has been spending the last week at the Mountain Lily mine, at Sonora, Toulumne county, left for San Francisco, June 25th.



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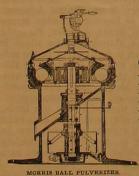
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MORRIS BALL PULVERIZER

Edward Dunn, a Yavapai county, Arizona, mining man who has been traveling in foreign lands, re-turned to Prescott, Arizona, Monday, June 14th, after an absence of two years.

H. B. Gleason discoverer of the famous Gleason mines, near Yuma in the S. H. mountains, was in Phoenix, Arizona, June 18th. He reports the mines improving with development work.

Capt. W. A. Nevills of the Rawhide mine in Tou-lumne county, was a visitor at Fresno, Cal., last

Alderman S. T. Thompson, who has been on an ex-tensive trip to the Cascade range in the state of Washington, has returned to his home in Park City,

W. B. Daniels of Hillsboro, N. M., has recently gone on a prospecting trip over the range from that

J. W. Rogers of Randsburg, Cal., manager of the Wedge mine, spent a few days in Los Angeles last week.

J. S. Schlessinger of Denver, Colorado, was in Kingman, Ariz.. June 17th. He had just made an examiantion of some gold claims at Cerbat.

W. O. Secor, the civil engineer who has been in Randsburg, Cal., for some time, returned to Albuquerque, N. M., last week.

Chas. D. Lane, one of the owners of the Utica mine at Angels, Cal., went to London, England, the fore part of June.

C. W. Prage, a well known mining man of San Francisco, is visiting in Toulumne county, Cal.

John W. Mackey will visit the Allison Ranch mine at Grass Valley, Cal., in the near future.

Henry Woods of Bland, N. M., was a visitor at Santa Fe last week.

James T. Carmody is in Prescott, Ariz., from Cherry Creek district, and reports mining very active in that section.

Thomas Parker of Turquoise fame is in St. Louis, Mo., on on important mining deal.

J. W. Fleming, territorial mine inspector of New Mexico, was in Raton last week.

W. K. Fletcher of the Gem group of claims at Randsburg, Kern county, Cal., came down to the city June 25th on a visit.

S. P. Mahon, manager of the Albermarle company of Blake, N. M., has been in Santa Fe, for a few days,

J. D. Moulton of Escondido, Cal., has gone to the Chucawalla mining district in the eastern part of San Diego county.

W. D. Howard, secretary and treasurer of the Bland Mining and Milling company, returned from a trip to Albuquerque, N. M., last week.

Col. A. C. Head of San Francisco, Cal., has just returned from a trip to the Fort Steele country, British Columbia.

W. H. Woodbridge of Stockton, was in Sonora, Cal. the other day.

Frank Bruce of the Crowned Point mine of Bland, N. M., went to Albuquerque last week.

Chas. Bishop of Hillsboro, N. M., has gone to Grafton to do assessment work on a mining claim in that district.

Dr. C. T. Pepper, E. L. Allen and J. A. Kapus, mining brokers of this city, spent a few days at Randsburg, Cal., last week, investigating several properties in that section.

Capt. Ed. Terrell of Raton, N. M., returned home Monday, June 21st, from a successful prospecting trip to Oklahoma.

Benj. Johnson, one of the owners of the Crowned Point mine at Bland, N. M., was at the mine the fore part of this week, having been at Albuquerque.

John Thompson, who for many years has been master mechanic for the Anchor Mining Co. of Park City, Utah, has accepted a position with the De Lamar Mining Co. of De Lamar, Nevada.

Maurice Coates, a popular old-time miner of Mogollon, N. M., returned from Bisbee, Ariz., last week.

Thos. Lowthian, the well known Denver mining man, was a visitor at Santa Fe, N. M., week before last. Mr.Lowthian is interested in some mines in the Cochiti district of New Mexico.

Chas. M. Rolker, a mining engineer known in every mineral district in the world, has been in Denver, Col., the past month, making out his report on some properties that he has recently examined for eastern

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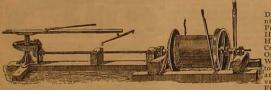
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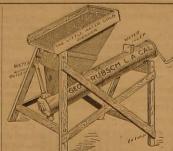
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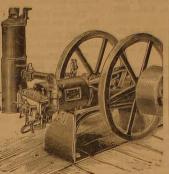
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Dom. Coal Oil40		75%	- 0	1256c.	9334
Gasoline74	te	81/4	_ 11	15c.	1.315
City Gas		1	000 fee	t.	2,00

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METAL MARKET.

	SI	LVER.	COPPER.	LEAD
June	16	6034	11 121/6	8 15
0	17	6034	11 1236	3 15
11	18	60%	11 12%	3 15
- 11	19	6012	11 12%	8 20
- 11	21	603.7	11 125	8 20
44	22	601/4	11 121/2	3 20
- 11	23	601	11 1232	8 20
4.0	24	601/8	11 121/4	3 20
- 64	25	601/8	11 121/2	3 20
**	20	6012	11 1255	3 20
**	28	601/4	11 1236	8 20
14	29	6014	11 1214	3 20
· ·	30	60%	11 12%	3 20
**	*******	******	*******	*****

MINING STOCK QUOTA TIONS

1	308	TON	
Allouez	00 50 50	Franklin 11 Kearsarge 19 Osceola 35 Quincy 112 Tamarack 125 Wolverine 10	00000

	the second secon	
COLORADO		
Actna	103 % Ironclad 02	13
Alamo	02% Isabella	8
Anaconda		42
Argentum Juanata	27 Iowa 2	22
BangkokCora Belle		04
Bankers	04 Jefferson	18
Ben Hur	02%Keystone	80
CK&N		03
CC& Manitou		3
Creede & C C	023 Monarch	05
Croesus	013 Mount Rosa	08
C C Consolidated		03
Des Moines.	035 Orphan Bell	П
Fannie Rawlins		08
Favorite	10 Portland	60
Franklin		01
Garfield Grouse		
Golden Engle		03
Golden Fleece	25 Star of the West	00
Gold & Globe		01
Gold Standard	02 Union Gold	15
Humboldt	03 Virginia M	02
Ingham C		04
Insley	003	

	-	-	
DENVE	ER STO	CK REPORT.	
damo naconda rcadia ' Consolidated regentum Juni- ata angkok-C-Bell angkok-C-Bell ankers cob Lee	00314 0254 42 004 0134 27 02 04 0134 0134 002 002 008	Elkton Eureka Garfield Grouse Golden Fleece Goldsmith Gold Standard Insley Iron Clad Jack Pot Jefferson Mollie Gibson. New Zealand People's Pharmacist.	92 009 04 25 008 023 003 023 043 083 083 061 083
C Con	06%		20/2

and the same of th	THE REAL PROPERTY.	
HELENA Am Den & M Co 95 Bald Butte 2 25 Benton Group. 10 Bi-Metallic. 1 75 Combination 35	Iron Mountain Moulton	5000
Crown Point 18 Con, Cal & Va 18	Sierra Nevada 1	

NE	W	YORK.	
Con. Cal & Va. 1 8 Gould & Curry Hale & Norcross, Homestake 80 Mexican. Ontario 10 8 Ophir	19 30 30 30 30 30 30 30	Sierra Nevada	05 22 25
SAN		Deadwood	45
Belcher Best & Belcher	05 18 72 55 95	Mono Nevada Queen Ophir Potosi Savage	15 50 71 06 38

Hale & Norcross. 9 Mexican	
ST	LOUIS.
American Nettie 2	5 Elizabeth 20
Granite Mt 1 2	0 Leo.
Adams 60	0 Hope
Bimetallic 1 7	5 Small Hopes 9
SALT	LAKE CITY
Ajax 70	Horn Silver 2 22
Alliance 30	Little Pittsburg 03
Am, Nat. G's 003	
Anchor 1 20	Mammoth 2 05
Bogan 075	4 Mercur 7 05
The little by the same of the same of	

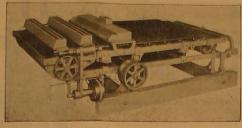
Ajax	70	Horn Silver	2	22
Alliance	30	Little Pittsburg		03
Am, Nat. G's.		Lucky Bill		20
Anchor 1		Mammoth	2	05
Bogan	071/4	Mercur	7	05
Bull, Beck 9	00	Ontario1	0	50
Cent. Eureka. 62	50	Rover		4736
Dalton	20	Silver King Il		
Daly 5	50	Sloux Con		
Daly West 8	00	Swansea	2	40
Four Aces	12	So Swansea		90
Galena 1	10	Tetro		05
Geyser 1	45	Uta		07

Name of Company	State	Price		
Angustias	. Guanajuato	5 500		
Asturiana y Anexas	Zacatecas	220		
Cerro Colorado	Chihuahua			
Concepcion y Anexas	S. Luis Potosi	180		
El Oro	Guanajuato	60		
do pre	Guanajuato	00		
Luz de Borda	1	30		
do Francisco	Michoacan	30		
do Free stock				
Luz de Maravillas	Hidalgo	180		
Real del Monte	A COURSE	1,100		
Rosario y Anexas	. Durango	50		
do pref		50		
San Rafael del Oro	. Guanajuato	90		
Sta. Gertr y Anexas	. Hidalgo .	187		
do. Free Stock	440	301		
Ste. Maria de la Paz	S. Luis Potosi	480		
Tlauzingo	Puebla	40		
Zomelahuacan (pold)	Vera Cruz	100		
Zona Min. de Pozos.	Guanajuato	46		

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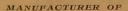


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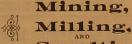
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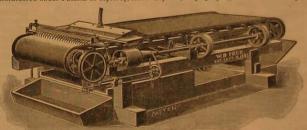
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NAMES OF MINES	LOCATION	No. of Shares	Capital Stock	Par Value	Amount of last Dividend	Date of Last Dividend	Total Amount Paid in Dividends	Kind of Mineral Produced
Aetna Cons	Californi a Colorado	1,500,000	\$ 500,000 1,500,000	\$ 5 5	\$ 10 0 04	June 1897 October 1895	\$ 100 000 693,500	Q. S, L, C. G.
Adams Alaska, Treadwell	Alaska		5,000,000 1,000,000	25 5	10 371	January, 1897 January, 1897	3,100,000 191,031	G. G.
Alaska Mexican Anaconda	Montana	100,000	30,000,000	25	1 25	Nov. 1896 May 1897	2,250,000 60,000	C. G.
Anchoria Leland	Colorado Michigan	40,000	1,000,000	25	1 00	Feb. 1897	740,000	C.
Bald Butte	Montana	250,000 600,000	250,000 600,000	1	03	June 1896	470,500 107,510	S, G. S. L. C.
Big Six	Colorado Montana		500,000 3,750,000	1 25	3 00 1/2	April 1897 Feb. 1897	5,000 5,375,000	G, S. G, C, S.
Boston & MontanaBullion Beck and Champ	Utah	100,000	1,000,000	10	20	Jan. 1897	1,967,000 125,410	G, S.
Cariboo C. O. D	British Col Colorado	800,000 500,000	800,000 500,000	1	02 01	Dec. 1896 March 1896	25,000	G.
Calumet & Hecla	Michigan Utah	100,000 30,000	2,500,000 1,500,000	25 50	15 00	Feb. 1897	48,350,000 1,890,000	C. S. L.
Champion	California Nevada	3,400 216,000	34,000 21,600,000	10 100	25 25	Jan. 1897 April 1897 March 1895	278,200 3,592 800	G. 8, G.
Consolidated, California and Virginia Coptis	Nevada	100,000	10,000,000	100	01	Feb. 1895	77,000 1,910,000	Ö.
Copper Queen Consolidated	Arizona Utah	200,000 150,000	2,000,000 3,000,000	10 20	25 25	June 1895 August 1896	2,887,500	S, L.
Deadwood TerraDe Lamar	Dakota	200,000 400,000	5,000,000 2,000,000	25 5	50 25	August 1896 October 1896	1,240,000 2,250,100	G. S. L.
Derbec B Gravel	California	100,000	10,000,000 2,500,000	100	05 00%	March 1894 August 1896	265,000 87,500	G. S, L.
Oalton and LarkElkhorn	Utah	2,500,000 200,000	1,000,000	5	06	June 1895	1,212,000	S.
Elkton Consolidated	Colorado	1,250,000 500,000	1,250,000 2,500,000	1 5	02 25	May 1897 June 1893	266,960 825,000	G, S. S.
Florence	Montana	500,000 40,000	2,500,000 1,000,000	5 25	2 00	Jan. 1897 January 1894	118,096 1,240,000	S. C.
Franklin Jalena	Utah	100,000	1,000,000	10	05	Jan. 1897	71,000	G, S, L
Sarfield Grouse	Colorado	1,200,000	1,200,000	1	01 01	Dec. 1896	10 000	G. G.
Folden Fleece	Colorado	200,000	1,250,000	5	01 10	Feb. 1897 May 1897	569,179 140,000	G, S. G, S.
Gold and Globe	Colorado	750,000 400,000	750,000 10,000,000	1	3-10 20	August 1896	36,000 12,120,000	G.
Franite Mountain	Montana California	50,000	5,000,000	25 100	10	July 1892 November 1893	388,366	Q.
lecla Consolidated	Montana Idaho	30,000 500,000	1,500,000 2,500,000	50	50	January 1897 August 1896	2,160,000 475,000	S, G, L, C. S, L.
Iomestake	Dakota	125,000	12,500,000	100	25	Jan. 1897 February 1897	6,118,750	G. S.
Iope Iorn Silver	Montana Utah	100,000 400,000	1,000,000	10 25	10 121/2	January 1896	662,252 5,137,500	S, L.
owaronMountain	Colorado Montana	1,000,000 500,000	310,000 5 000,000	10	001/2	Feb. 1897 Nov. 1896	65.000 492.500	G. S.
sabella	Colorado	2,250 000	5,000,000	100 25	021/2	Mar. 1897 Dec. 1895	258,750 120,000	G. C.
Cearsarge	Michigan California	100,000	1,000,000	1	00 48	August 1895	1,796,000	G.
eadville Consolidated	Colorado	400,000 600,000	4,000,000 3,000,000	10 5	03	February 1893 November 1895	316,000 740,000	S, L. S, L, G, C.
Iayflower	California	60,000 165,000	1 200,000 16,500,000	20 100	10	December 1895 July 1896	242,000 3,240 000	G.
Iollie Gibson	Colorado	1,000,000	5,000,000	5	05	January 1895	4,080,000	S.
Iontana Lt	Montana	660,000	3,300,000	5	0614	October 1895 January 1896	2,890,637 186,000	G, S. G.
forning Star	California	2,400 400,000	240,000 2,000,000	100	50 05	May 1897 February 1894	510,000 460,000	G. S. G.
It. Rosa Tercur	Colorado	1,000,000	1,000,000	1	001/2	Oct. 1896	30,000 600,000	G.
Iammoth	Utah	200,000 400 000	5,000,000 10,000,000	25 25	12½ 05	Jan. 1897 Nov. 1896	1,150,000	G, S, C.
loon Anchor Goldew Elkhorn	Colorado	600,000 300,000	1,500,000	5	01 24	July 1896	24,000 72,000	G.
ew York & Hon. Rosarioapa	Central A California	150,000	1,500 000 700,000	10 7	10	Jan. 1897	690,000 830,000	S, G. Q.
ew Idria Quicksilver	California	100 000			10	June 1897	10,000	Q.
orth Star ugget	California	1,000,000	1,000,000	10	50 001/2	June 1893	450,000 10,000	G. G.
Omaha Consolidated	California	24,000 150,000	2,400,000 15,000,000	100	15	July 1894	97,200 13,370,000	G. S, L.
sceola acific Coast Borax	Michigan California	50,000	1,250,000	25	1 00	February 1897	2,122,500 422,500	C. B.
arrot	Montana	20,000	2,000,000	100	1 00	July 1893	1,622,000	C.
ennsylvania Consolidatedlumas Eureka	California Colorado	51,500 140,600	5,150,000 1,406,000	100	05 18	May 1897 October 1893	12,925 2,696,295	G.
ortland. nicksilver Pref	California Michigan	3,000,000	3,000,000 4,300,000	100	01 25	May 1897	1,013,000 1,823,911	G, S. Q.
uincy ed Cloud	Idaho	50,000	1,250,000	25	00	June 1891 February 1897	9,070,000	C.
ierra Buttes	Colorado California	200,000 222,500	1,000,000 2,225,000	10		October 1893	153,000 1,559,933	S, L. G.
ilver, Mg. mall Hopes Consolidated	New Mexico Colorado	500,000 250,000	500,000 5, 0 00,000	20	4 05	December 1891	300,000 3,275,000	S. S.
tandardt. Joseph	California Missouri	100 000 250,000	10,000,000 2,500 000	100	10 25	March 1897 Dec. 1895	3,773,868 2,524,000	G, S. L.
ilver King muggler Union	Utah	150 000	3,000,000	20		Jan. 1897 October 1896	90,000	S, L, 6
om Boy	Colorado	50,000 200,000	5,000,000	100	1.00	March 1896	150,000 410,000	G. S. G.
amarackrinity River	Michigan Colorado	50,000	1,250,000 500,000	25	3 00	Dec. 1896 April 1894	4,770,000 37,500	C. G.
nion nited Verde.	Colorado	1,250,000	1,250,000	1	01	June 1896	73,000	S. C.
tah	Arizona Utah	300,000 100,000	3,000,000 1,000,000	10	25 02	December 1893 Nov. 1896	562,500 175,000	G, S.
ictor. /ar Eagle.		200,000 500,000	1,000,000	5	10	Mar 1897 October 1896	765,000 187,000	G.
S, Silver. G, Gold. L, Lead.	C, Copper,	Q, Quicksilver			B, Boraz		101,000	



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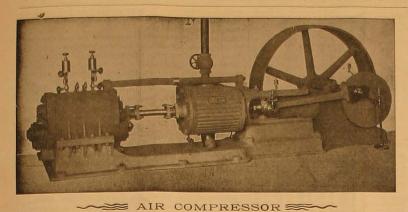


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From Points in Mexico, New Mexico, Texas and Arisona, to El Paso, Pueblo, Denver and Kansas City.

ATCHISON, TOPEKA & SANTA FE R. R.

	W. C. C. C. C.	TOT EIK	Car L	oads, it	n dollar	s and o	ents per	
				oncen		1 2		
	FROM	то	Valuation not to exceed \$50 per ton.	Valuation not to exceed \$100 per ton.	Valuation not to exceed \$300 per ton.	Lead Bullion, valuation not exceed \$100 per ton.	Base Metal, Copper Matte, Bar and Black Copper, valuation not to exceed \$300 per ton.	
	GuaymasMex	El Paso Pueblo Denver Kansas City	10 00 12 50 13 50 15 50	11.50 14 00 15 00 17 00	13.50 16.00 17.00 19.00			
	Ortiz "	El Paso Pueblo . Denver Kansas City	9 50 12 00 13 00 14 50	11.00 13 50 14 50 16.00	15.50 16.50 18.00		1.00	R.
WAY	Torres, "	El Pasc Pueblo . Denver Kansas City	9.00 11.50 12.50 13.50	10 50 13 00 14 00 15 00	12 50 15 00 16 50 17 00	****	1	F. R.
SONORA RAILWAY	Hermosillo, "	El Paso Pueblo , Denver, Kansas City	8.50 10.00 12.00 12.00	10 00 12 50 13 50 13 50	12.00 14.50 15.50 15.50			TAS
SONOR	Pesqueira "	El Paso Pueblo , Denver. Kansas City El Paso	8.00 10 50 11 50 12 00 7 50	9.50 12.00 13.00 15.50 9.00	11 50 14 00 15 00 15 50 11 00			A.
	Querobabi " Santa Ana "	Pueblo Denver. Kansas City El Paso	10.00 11.00 11.50	11 50 12 50 13 00	13.50 14.50 15.00			
	Magdalena"	Pueblo Denver	7.00 9.50 10.50 11.50 7.00	11 00 12 00 13 00 8 50	13 00 14 00 15 00 10 50			
-	Imuris,	Pueblo Denver Kansas City	9 50 10 50 11 50 6 50	11 00 12 00 13 00 8 00	13 00 14 00 15 00			
TAR. R	NogalesA.T.	Pueblo Denver Kansas City El Paso	9 00 10 00 11 00 6 00	10 50 11 50 12 50 7 50	12 50 13 50 14 50 9 50	15 20 16 20 18 40	16 60 17 60 21 45	-
& ARIZONA R.	Calabasas "	Pueblo Denver Kansas City El Paso	9 50 10 50 5 50	10 00 11 00 12 00 7 00	12 00 13 00 14 00 9 00	15 20 16 20 18 25	16 40 17 40 21 30	
	Sanfords,, "	Pueblo	8 00 9 00 10 00 5 50 8 00	10.50 11.50 7.00	11 50 12.50 13 50 9 00	15.00 16.00 18 15	16 20 17 20 21 20	
MEXICO	Crittenden "	Pueblo Denver Kansas City	9 00 10 00 4 40	10 50 11 50 4 60	9 00 11 50 12.50 13 50 6 50	14 80 15 80 18 00	16.00 17.00 20.95	AD
NEW	Fairbank "	Pueblo Denver. Kansas City El Paso	8.00 9.00 10 00 4.35 9.00	10 50 11 50 4 35	11.50 12.50 13.50 5.60	14.00 15.00 17.50	15.20 16.20 20.40	RAILROAD
PAC.CO.	Tucson, "	Pueblo . Denver Kansas City Pueblo .	10 50 11 00 8 00	10.50 12 00 12 50 9 50 11 00	12 50 14 00 14 50 11 50 13 00	14 60 16 60 17 80 12 80	15 80 17 80 20 85 15 00 17 00	PACIFIC R
TERN I	Steins Pass, N.M.	Denver Kansas City Pueblo Denver	9 50 10 00 8 00 9 50 10 00	9 50 11 00	13.50 11.50 13.00	12.80 15.80 17.25 12.20 14.20	20.15 13 20 15 20	& PAC
SOUT	Lordsburg "	Puellio Denver. Kansas City El Paso	7 50 9 00 9 50	9 00 10 50 11 00	11 00 12 50 13 00	11 80 13 80 15 75	18 70 12 80 14 80 18 40	ATLANTIC
R. R.	Silver City "	Pueblo Denver. Kansas City	2 60 6 50 7 50 8 50 2 40	3.20 8.00 9.00 10.00 3.00	4 70 10 00 11 00 12 00	6 00 11 20 12 20 17 40	6 00 12 20 13 20 19 80	ATI
. D. & P.	Hudson "	Pueblo Denver Kansas City	6 50 7 50 8 50 2 20	9 00 10 00	4 50 10 00 11 00 12 20 3 80	5 60 11 20 12 20 16 80 5 20	5 60 12 20 13 20 19 20	
S. C.	Deming "	Pueblo Denver Kansas City El Paso	6 00 7 00 8 00 2 20	7-50 8 50 9 50	9 50 10 50 11 50	5 20 10 80 11 80 15 00 5 00	5 20 11 80 12 80 17 40	
100	Florida and Lake Valley	Denver. Kansas City	6 00 7 00 8 00 2 20	7.50 8.50 9.50	8 50 10 50 11 50	10 80 11 80 15 00 4 80	5.00 11 60 12 80 17 40 4 80	
F. R. R	Nutt "	Pueblo	6 00 7.00 8.00 6.00	7 00 8 00 9 00 7 50	9 00 10 00 11 00	10 80 11 80 15 00	11 60 12 60 17 20	pe
T. & S.	El Paso "	Kansas City El Paso Pueblo	7.00 8.00 1.50 6.00	8 50 9 50 2 00	10 50 11 50 3 00	12 60 15.00	13 00 17.70 4.00 11.60	sh wi Cr
A.	Las Oldees,	Kansas Čity El Paso Pueblo	7 00 8 00 2 00 5 50 6 80	8.50 9 50 2 00 7 00	10 50 11 50 3 00 9 00	12.60 15.00 4.00 10.80	12.60 17.20	Or
-	Rincon	Denver. Kansas City	8.50 7.50	8.00	10.00	11 80 15 00	11.40 12.40 16.60	re

		7133		oads in			d cents
	FROM	то	Valuation not to exceed 3 \$50 per ton.	Valuation not to exceed a \$100 per ton.	Valuation not to exceed a \$300 per ton.	Lead Bullion, valuation not to exceed Stoo per ton.	Base Metal, Copper Matte, Bar and Black Copper, valuation not to exceed \$300 per ton.
	EngleN. M. Crocker"	El Paso Pueblo Denver Kansas City	2.20 5.50 8.50 7.50	2.60 7.00 8.00 9.00	3.60 9.00 10.00 11.00	5 00 10 20 11 20 14 20	5.00 11.00 12.00 16.00
	Lava "	El Paso Pueblo Denver. Kansas City	2.20 5.20 6.20 7.20	2 80 6 70 7 70 8 70	3 80 8 70 9 70 10 70	5 40 10 00 11 00 13 80	5 40 10 80 11 80 15 80
	San Marcial., "	El Paso Pueblo Denver Kansas City	2.40 5.20 8.20 7.20	3 00 6 70 7 70 8 70	4 50 8 70 9 70 10 70	5 60 9 80 10 80 13 40	5 60 10 60 11 60 15 60
	Carthage "	Pueblo Denver Kansas City	2 60 5 20 6 70 7 20	3 20 6 70 8 20 8 70	4.70 8.70 10.20 10.70	9 80 10 80 13 00	6 00 10 60 11 60 15 40
R. R.	San Antonio,. "	El Paso Pueblo Denver Kansas City	2 40 5 20 8 20 7 20	3.20 6.70 7.70 8.70	4 70 8 70 9 70 10 70	5 80 9 60 10 60 12 60	5 80 10 40 11 40 15 20
& S. F.	Magdalena "	El Paso Pueblo Denver Kansas City	2 80 5 00 8 00 7 00	3.60 6.50 7.50 8.50	5 10 8 50 9 50 10 50	6 20 10 60 11 60 13 00	6 20 10 60 11 60 15 60
A. T	Socorro "	El Paso Pueblo Denver Kansas City	2 60 5 00 8 00 7 00	3 20 6 50 7 50 8 50	4.70 8.50 9.50 10.50	6 00 9 40 10 40 12 00	6 00 10 20 11 20 15 00
	Albuquerque. "	El Paso Pueblo Denver Kansas City	3.00 4 50 5 50 6 50	4 00 6 00 7 00 8 00	5 50 8 00 9 00 10 00	7 00 8 40 9 40 12 00	7.00 9.00 10.00 14.00
	Bernalillo "	El Paso Pueblo Denver Kansas City	3 20 4 20 5 20 6 20	4 20 5 70 6 70 7 70	5 70 7 70 8 70 9 70	7 20 8 20 9 20 12 00	7.20 8.80 9.80 14.00
	Wallace. "	El Paso Pueblo	3 40 4 20	4.40 5.70	5.90 7.70	7 80	7.40 8.60

Los Cerillos,. "	Denver Kansas City	5 00 6 00	6 50 7 50	8 50 9-50		9 40
Flagstaff, A.T. Seligman	El Paso Pueblo Denver Kansas City	6.50 7.50 8.50 9.50	8.00 9.00 10.00 11.00	10.00 12.50 13.50 13.60	14.00 15.00 14.00	14 00 15 00 14 00
Peach Spgs " Hackberry . "	Pueblo Denver Kansas City	7.50 8.00 9.00 10.00	9.00 9.60 10.50 11.50	11.25 13.75 14.75 15.20	18 20 19 20 18 20	18.48 19.48 18.48
Kingman "	Pueblo Denver Kansas City	7.50 8.00 9.00 10.00	9.00 9.50 10.50 11.50	11.25 13.75 14.75 15.60	18 60 19 60 18 60	20 40 21 40 20 40
Yucca "	Pueblo Denver Kansas City	7.50 8.50 9 00 10 00	9.00 10.00 10.50 11.50	11 25 14 25 14 75 15 60	19 00 19 60 18 60	21 -25 21 40 20 40
NeedlesCal.	Pueblo Denver Kansas City	7 50 8 00 9 00 10 00	9 00 9 50 10 50 11 50	11 25 13 75 14 75 15 60	18 60 19 60 18 60	20 40 21 40 20 40
Fenner "	El Paso Pueblo Denver Kansas City	8 25 9 00 10 00 11 00	9.75 10.50 11.50 12.50	12 75 15 25 16 25 16 60	20 00 21 00 20 00	22.50 23.50 23.20
Bagdad "	El Paso Pueblo Denver Kansas City	8.50 9.50 10.50 11.50	10.00 11.00 12.00 13.00	13.75 16.50 17.50 17.20	20 70 21 70 20 70	23 50 24 50 24 00
Daggett "	El Paso Pueblo Denver Kansas City	9 00 10 00 11 00 12 00	10.50 11.50 12.50 13.50	14.50 17 00 18 00 18.00	21 60 22 60 21 60	24 75 25 75 25 00
Barstow "	El Paso Pueblo Denver Kansas City	9.00 10.00 11 00 12 00	10 50 11 50 12 50 13 50	14 75 17 25 18 25 18 00	21 60 22 60 21 60	25 00 26 00 25 00
Kramer "	El Paso Pueblo Denver . Kansas City	9 50 9 50 11 50 12 50	11.00 10.00 13.00 14.00	15 21 17 71 18 71 18 37	22.60 23.60 22.60	25.00 28.00 26.20
Mojave"	El Paso Pueblo Denver	10 00 11 00 12 00	11.50 12.50 13.50	15.75 18.25 19.25	22-60 23-60	25 00 26 00

Kansas City

Rates on Copper or Zinc Ore to Canon City.

Kansas City 13 00 14.50 18.80 22.60 26 00

Taking Effect July 1st, 1891.—So far as rates on Coper or Zinc Ores are concerned, Canon City, Col., will be ensidered as common with Pueblo; in other words the rates nown in Tariff as applying on shipments of Ore to Pueblo, ill also apply on shipments of Copper or Zinc Ore to anon City.

In the absence of positive information as to the value of Ore, re Concentrations, or Base Metal, Agents will bill at rates sufficiently high to protect the Company. These rates can be corcited when evidence of actual value is produced.

The market price at destination, to be verified by assays made

bythe Railroad Company, at owner's expense, will govern the

value and determine the rate.

Agents must cause shippers to understand the condition upon which these rates are based, and should make their receipts read:

"Rates subject to correction according to value at destination."

"Rates subject to correction according to value at destination."

These rates only apply on lots of ten tons or over On lots of four tons and under ten, so per cent, and on lots of one ton and less than four, 40 per cent will be added to above rates. Base Metal, Copper Matte and Ore Concentratio — n lots of less than one ton, will take first-class rates from a — the above points, except when the rate based on valuation makes it higher, that rates on small lots of high value may not be less than the rates when in lots of one ton or over as above.

Charges on Ore in car-loads must be guaranteed, and on lots less than a car-load must in all cases be prepaid.

Omaha Rates.-The Rates to Omaha, Neb , all grades, will

Omaha Rates.—The Rates to Omaha, Neb, all grades, will be \$t per ton higher than the rates to Kansas Gity.

Note.—All shipments of Ore and Concentrations valued not to exceed \$50 per ton must be billed at the rate for Ore and Concentrations, "Valuation over \$50 not to exceed \$50 per ton," and shipping receipt must be issued by agent at said rate. Agent at destination is authorized to correct the rate for Ore and Concentrations, "Valuation not to exceed \$50 per ton," upon presentation of properly certified smelter returns, showing that the value does not exceed \$50 per ton.

Intermediate points not named will take rates provided for

next station beyond.

SOUTHERN CALIFORNIA RAILWAY.

Rate on Ore in car loads, valuation not to exceed \$50 per ton, minimum weight 24,000 lbs. Oro Grande, Cal., to Pueblo, Col., \$10,30 per ton.

\$10.30 per ton.

Same, Victor, Cal., to Pueblo, \$10.35 per ton

Ore, car loads, when coming from the Republic of Mexico
valuation not to exceed \$50 per ton; San Diego or National City
to Denver, Col., and Pueblo, Col., \$12 per ton of 2,000 lbs.

Ore, valuation not to exceed \$100 per net ton and so receipted
for, minimum weight 30,000 lbs.

75c per 100 lbs, to Denver and
Pueblo, Col., from all points on the Southern California Railway.

ORE TARIFF.

From Points in New Mexico, Arizona and California, to El Paso, San Francisco and Vallejo Junction.

SOUTHERN PACIFIC R. R. COMPANY

						L W D
FROM	то	Valuation not to ex-	Matte, Bar and Bluck Copper, value not to			
El Paso Tex.	San Francisco	*9.10	*9.10	*9.10	11.20	
Deming, N.M.	El Paso . San Francisco.	2 00 *9 10		2.00 *9 10	2.20 *11 20	18.2
Gage "	El Paso . San Francisco.	2 00 *9 10		2 00 *9 10	*11.20	2.8 8.0
Separ "	El Paso San Francisco.	*2 50 *9 10		2 60 +9 10	3.00 *11.20	3 8 17.6
Lordsburg. "	El Paso San Francisco	*2.50	3 00	3 00 *9 10	3 60 *11 20	17.4
Steins Pass "	El Paso . San Francisco.	*2.50 *8 10	3 20	3 20 *9 10	4.00 *11 20	7.0
Bowie A. T.	El Paso San Francisco	*3.00	3.60	3.60 *8 10	4 40 11 20	5.8
Willcox "	El Paso . San Francisco	*3 00 *7 00	4.00	4.00 *9 10	5.00 11.20	6 4
Dragoon Summit "	El Paso . San Francisco.	*3.00 *7.00	4 20	4 20 •9.10	5-20 *11 20	6 8 6 0
Benson "	Et Paso San Francisco	*7.00	4 35 9 00	4 60 9 00	5 60 *11.20	7.4 5 60
Tucson "	El Paso . San Francisco.	*3.50	4.35 8.60	5 20 8 60	6 40 10 80	8 8 15 0
CasaGrande "	El Paso . San Francisco	*4.00	5 00 8 00	8 00	7.60	10.4 14.0
Maricopa "	El Paso	8 40 *7 00	6 40	6.40 7.80	8 00 9 80	10 8 13.8
Gila Bend. "	El Paso	*7 00	8.70 7.40	6.70 7.40	9 20	11 3
Aztec "	El Paso . San Francisco.	7 05	7 05 7 00	7 05 7 00	8 85	12 0 12 4
Gila City "	El Paso . San Francisco	7 55 6 60	7.55	7 55 6 60	9.45 8-20	12.8 11.4
Yuma "	El Paso	*****	*****	7.70 8 40	9 60	13 0
Newhall Cal.	San Francisco. San Francisco.	*6 00	*5 00	*8.00	1000	
Mojave	San Francisco.	*3 85	*3.85	3 85 *3 80	*5 00	
Callente	San Francisco.	*2 10		2 10	4 35	
Milton "						

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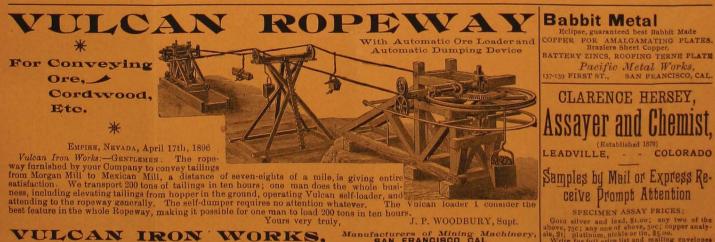
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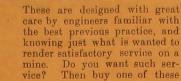
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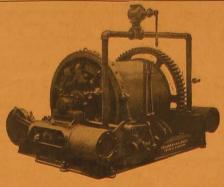
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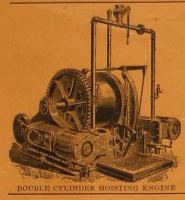
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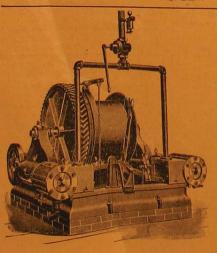
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